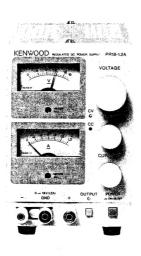


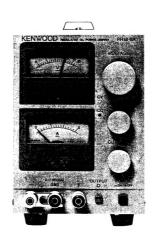
REGULATED DC POWER SUPPLY

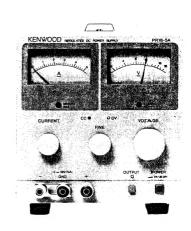
PR18-1.2A PR18-3A PR18-5A PR36-1.2A PR36-3A PR70-1A

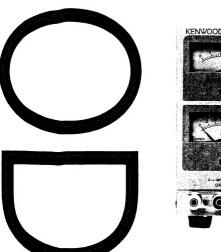
SERVICE MANUAL

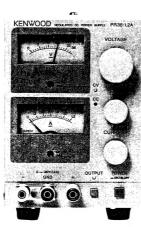
KENWOOD CORPORATION

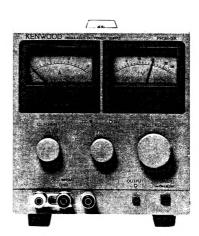


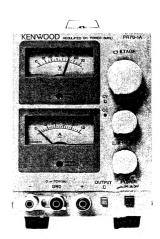












ADJUSTMENT

To obtain the best performance, periodically calibrate the unit. Sometimes, only one mode need be calibrated, while at other times, all modes should be calibrated. When one mode is calibrated, it must be noted that the other modes may be affected. When calibrating all modes, perform the calibration in the specified sequence.

The following calibration required an accurate measuring instrument and an insulated adjusting flat blade screwdriver. If they are not available, contact your dealer. For optimum adjustment, turn the power on and warm up the scope sufficiently (more than 30 minutes) before starting.

Before calibrating the scope, check the power supply voltage.

TEST EQUIPMENT REQUIRED

The following instrument or their equivalent should be used for making adjustment.

Multimeter 45 FLUKE

PREPARATION FOR ADJUSTMENT

Control Settings

The control settings listed below must be used for each adjustment procedure.

Exceptions to these settings will be noted as they occur. After completing a adjustment, return the controls to the following settings.

NAME OF KNOBS	POSITION
CURRENT FINE VOLTAGE	Fully Clockwise

Item	Adjustment VR	Procedure		
Voltage	VR1 (V. ADJ)	Turn VR1 clockwise to adjust the to the output voltage setting, then turn the FINE control to adjust to the rated voltage. (Before this adjustment, set VR1 to VR3 to the fully counterclockwise positions.)	Table 1.	
Current	VR2 (A. ADJ)	Connect a load and turn VR2 to adjust to the output current setting.	\$	
A meter	VR3 (AM. CAL)	Set the load for the rated current, and adjust the swing of the ammeter of the main unit with VR3.	Refer	

Specifica- tions	Output voltage setting	Output current setting
Model	[V]	[A]
PR18-1.2A		1.28
PR18-3A	18.5	3.19
PR18-5A		5.3
PR36-1.2A	07	1.28
PR36-3A	37	3.19
PR70-1A	72	1.06

Table 1

PR18-1.2A

Y86-1850-00

REF. NO PARTS NO A01-1236-08	NAME & DESCRIPTION COVER
A 6 3 - 0 1 1 2 - 0 8	FRONT PANEL
B 3 1 - 0 7 5 5 - 0 8	METER: VOLT
B31-0756-08	METER; CURRENT SERIAL NO. PLATE
B 4 0 - 2 7 3 7 - 2 4 B 4 2 - 3 7 3 1 - 0 8	MASTER/SLAVE LABEL
	RATING; AC100V 50/60HZ 45W
B 4 2 - 3 7 3 5 - 0 8	FUSE RATING LABEL
B 4 2 ~ 3 7 4 9 - 0 8 B 4 2 ~ 3 7 5 0 - 0 8	RATING: AC120V 50/60HZ 45W RATING: AC220V 50/60HZ 45W
B 4 2 - 3 7 5 1 - 0 8	RATING; AC240V 50/60HZ 45W
	RATING; AC120V 60HZ 45W
B 6 3 - 0 1 7 3 - 0 0 B 6 3 - 0 1 7 4 - 0 0	INSTRUCTION MANUAL; JAPANESE INSTRUCTION MANUAL; ENGLISH
E 2 1 - 0 6 7 0 - 0 3	TERMINAL, RED
E 2 1 - 0 6 7 1 - 0 3	TERMINAL, BLACK
E 2 1 - 0 6 7 2 - 0 3 E 2 9 - 0 5 0 6 - 0 4	TERMINAL, WHITE SHORTING BAR
E 2 9 - 0 5 4 2 - 0 8	LUG; M3
E 3 0 - 0 0 2 7 - 3 5	UL/CSA POWER CORD
E 3 0 - 0 5 4 5 - 0 5 E 3 0 - 0 5 7 1 - 1 5	JIS POWER CORD SAA POWER CORD
E 30 - 1815 - 05	SAA POWER CORD CEE POWER CORD
E 3 0 - 1 8 6 7 - 0 5	BS POWER CORD
F 0 1 - 0 8 8 4 - 0 8 F 0 5 - 8 0 1 3 - 0 8	HEAT SINK FUSE(5X20MM) 0.8A/250V
	FUSE(6X32NH) 0.84/250V
F 2 9 - 0 5 1 5 - 0 8	INSULATOR: FOR Q6
F51-0007-08 H10-2853-08	FUSE 1.5A/125V FOAMED STYRENE PAD (FRONT)
11 1 0 - 2 8 5 4 - 0 8	FOAMED STYRENE PAD (REAR)
11 1 0 - 2 8 5 5 - 0 8	STYRENE PAD; 83 X 1 1 5 X 3 0 M M
11 1 0 2 8 5 8 0 8 11 2 0 1 7 3 4 0 8	STYRENE PAD; 154X205X30MM VINYL COVER
1153-0111-08	CARTON BOX
J 0 2 - 0 5 2 9 - 0 8	FOOT
J19-1671-08	CLAMPER; FOR 2-CORE AC CORD
J 1 9 - 1 6 7 2 - 0 8 J 2 1 - 4 7 2 0 - 0 8	CLAMPER: FOR 3-CORE AC CORD BRACKET; FOR P. C. B
121-4758-08	BRACKET; FOR AC CORD BUSHING
J 3 0 - 0 6 3 5 - 0 8	VOLUME SPACER; FOR VRO1
J 4 2 - 0 0 8 3 - 0 5 J 4 2 - 0 0 8 5 - 0 5	BUSHING; FOR 2-CORE AC CORD BUSHING; FOR 3-CORE AC CORD
K 2 1 - 0 9 0 7 - 1 4	KNOB
K 2 1 - 0 9 1 1 - 0 4	KNOB; FINE/CURRENT
K 2 4 - 3 0 0 6 ~ 0 4 K 2 7 - 0 5 0 9 - 0 4	KNOB, OUTPUT PUSH BUTTON, ORANGE: POWER
1.07-1516-08	POWER TRANSFORMER
N 0 9 - 0 7 1 8 - 0 5 N 0 9 - 0 7 2 0 - 0 5	SCREW, SENS PAN HD M3X6
N 0 9 - 0 7 5 7 - 0 5	SCREW, SEMS PAN HD M4X10 SCREW, SEMS BINDING TAPTITE 3X6
N 0 9 - 0 7 8 9 - 0 5	SCREW, SEMS PAN HD M3X10
N O 9 - O 7 9 7 - O 8	SCREW, SEMS TAPTITE 3X10 FLANGE NUT N3
N 1 4 - 0 4 0 4 - 0 4 N 8 9 - 3 0 0 6 - 4 1	FLANGE NUT H3 SCREW, BINDING TAPTITE 3X6
N 8 9 - 3 0 1 0 - 4 1	SCREW, BINDING TAPTITE 3X10
S 4 0 - 2 5 3 3 - 0 8 W 0 2 - 2 2 6 7 - 0 8	PUSH SWITCH; POWER
VR01 R29-3503-08	VOLUME 10K
VR02 R39-0800-08	VOLUME
V R O 3 R 2 9 - 3 5 0 4 - 0 8	VOLUME 10K

PR18-1.2A AMP UNIT

PR18-1.2A AMP UNIT		
	W	02-2267-08
REF. NO	PARTS NO E 21-0674-08 E 40-7141-08 E 40-7142-08 E 13-0518-08 J 73-0326-08	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LINE VOLTAGE) PIN CONNECTOR IP(LINE VOLTAGE) FUSE CLIP:FOR 6X30MM PCB (UNMOUNTED)
C 1 C 2 C 3 C 4 C 5	R 9 2 - 0 1 5 0 - 0 5 R 9 2 - 1 0 6 1 - 0 5 C 9 0 - 3 0 2 3 - 0 8 C Q 9 2 N 1 II 10 2 K C 9 1 - 2 5 5 9 - 0 8 C Q 9 2 N 1 II 4 7 2 K C Q 9 2 N 1 II 1 0 3 K	JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM) CAP. ELECTRO 470 105°C 35V CAP. MYLAR 1000P 10% 50V CAP. MYLAR 4700P 10% 50V CAP. MYLAR 4700P 10% 50V CAP. MYLAR 0.01. 10% 50V
C 6 C 7 C 8 C 9	NO USE C90-3020-08 CF93AN2ER22K NO USE	CAP. FLECTRO 100 105°C 25V CAP. POLYESTER 0.22P 10% 250
C 1 0 C 1 1	C 9 0 - 3 0 2 1 - 0 8 C F 9 3 A N 1 J R 2 2 K	CAP. ELECTRO 2200 105°C 35V CAP. POLYESTER 0.22P 10% 63V
C 2 2	C 9 t - 2 5 5 9 - 0 8	CAP. CERAMIC 0.1 0.25 P 50 V
C 2 6 C 2 7	C 9 0 - 3 1 7 4 - 0 8 N O U S E	CAP. ELECTRO 10 1% 50V
C 2 8 C 2 9	C 9 0 - 3 0 2 0 - 0 8 C 9 1 - 2 5 5 9 - 0 8	CAP. ELECTRO 100 105°C 25V CAP. CERANIC 0.1 0.25P 50V
C 3 2	C F 9 3 A N 1 J 1 R 0 K	CAP. POLYESTER IP 10% 63V
C N 1 C N 2 C N 3	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 NO USE	PIN CONNECTOR 2P PIN CONNECTOR 3P
C N 4 C N 5 C N 6	E 4 0 - 7 1 2 6 - 0 8 E 4 0 - 7 2 1 9 - 0 8 NO USE	PIN CONNECTOR 2P PIN CONNECTOR 3P
CN7	E 40 - 7229 - 08	PIN CONNECTOR 4P
C N 1 1 C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P
C N 1 8	E 4 0 - 7 4 4 0 - 0 8	CONNECTOR
C N 2 3 C N 2 4	E 4 0 - 3 2 4 0 - 0 5 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 5P PIN CONNECTOR 2P
C 0 1	C 9 0 - 3 0 1 8 - 0 8	CAP. ELECTRO 1 105 ° C 50 V
C 0 1 C 0 2	C 9 1 - 1 3 2 3 - 0 8 NO USE	CAP. CERAMIC 0.1 20 % 250 CAP. ELECTRO 100 105 C 50 V
C 0 3 D 1 D 2 D 3 D 4 D 5 D 6 D 7 D 8 D 9	C 9 0 - 3 0 4 6 - 0 8 1 B 4 B 4 2 E R A 1 5 - 0 1 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A N O USE D 3 S B 6 0	DIODE, STACK DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE, STACK
D 1 4 D 1 5 D 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	D 1 0 D E D 1 0 D E D 1 0 D E
D 2 8	1 S S 2 7 0 A	DIODE
D 3 3 D 3 4	ERA15-01 1SS270A	DIODE
D 3 7 D 3 8 D 3 9	ERA15-01 1SS270A ERA15-01	D I O D E D I O D E
D 0 1	E R A 1 5 - 0 I	DIODE
1 C 1 1 C 2 1 C 3	UPC151C UPC151C UPC1093J	IC, OP AMP IC, OP AMP IC, V'ARIABLE SHUNT REGULA TOR
109	N A 1 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE REG.
LEDI LED2	1. N 2 2 2 R P 1. N 3 2 2 G P	LED; RED LED; GREEN
	I. N 2 2 2 R P	LED; RED
Q 1 Q 2 Q 3 Q 4	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	TR. SI, NPN TR. SI, NPN TR. SI, NPN TR. SI, NPN

R E F . N O Q 5 Q 6 Q 7 Q 8	PARTS NO 2 SC 1 8 1 5 (GR) 2 SD 1 1 4 8 (O) NO USE 2 SC 3 4 2 1 (Y)	NAME & DESCRIPTION TR. SI, NPN TR. SI, NPN TR. SI, NPN	
Q I 5 Q I 6 Q I 7	2 SC 1815 (GR) NO USE DTA143 EF	TR. SI, NPN TR. DIGITAL	
R 1 R 2	R D I 4 B B 2 C 1 2 2 J R D I 4 B B 2 C 1 2 3 J	RES. CARBON 1.2K 5% 1/6W RES. CARBON 12K 5% 1/6W	
R 2 R 3 R 4 R 5 R 6 R 7 R 8 R 9 R 1 0 R 1 1 R 1 2	R D1 4 B B 2 C 5 1 0 J R D1 4 B B 2 C 6 8 2 J	RES. CARBON 3K 5% 1/2W RES. CARBON 3K 5% 1/6W RES. CARBON 51 5% 1/6W RES. CARBON 6.8K 5% 1/6W RES. CARBON 27K 5% 1/6W RES. CARBON 27K 5% 1/6W RES. METAL FILM 5.1K 1% 1/6W RES. CARBON 1K 5% 1/6W RES. CARBON 1K 5% 1/6W RES. CARBON 51K 5% 1/6W	
R I 3 R I 4 R I 5 R I 6 R I 7	R D I 4 B B 2 C 2 O 2 J	RES. CARBON 2 K 5 K 1 / 6 W RES. CARBON 1 . 5 K 5 K 1 / 6 W RES. CARBON 5 1 0 5 K 1 / 6 W RES. CARBON 5 . 1 K 5 K 1 / 6 W	
R 2 0 R 2 1	R D1 4 B B 2 C 5 1 3 J R D1 4 B B 2 C 1 0 3 J R D1 4 B B 2 C 1 0 2 J R D1 4 B B 2 C 1 0 0 3 F R D1 4 B B 2 C 1 0 2 J R N1 4 B K 2 C 1 6 0 3 F R D1 4 B K 2 C 9 1 0 1 F R N1 4 B K 2 C 3 0 0 1 F	RES. CARBON 51% 5% 1/6W RES. CARBON 10% 5% 1/6W RES. CARBON 1 1 5% 1/6W RES. METAL FILM 3K 1% 1/6W RES. METAL FILM 3K 1% 1/6W	
R 2 8	R D1 4 B B 2 C 1 O 2 J R D1 4 B B 2 C 1 O 3 J R S1 4 G B 3 D 1 5 2 J	RES. CARBON 1K 5% 1/6W RES. CARBON 1OK 5% 1/6W RES. METAL FILM 1.5K 5% 2W	
R 4 0	R N I 4 B K 2 C 1 8 0 0 F	RES. METAL FILM 180 1% 1/6W	
R 1 4 R 1 5	R D	RES. CARBON 100 5% 1/6W RES. CARBON 2K 5% 1/2W	
R 6 7	R S 4 G B 3 D R 4 3 J	RES. METAL FILM 0.43 5% 2W	
R 7 4 R 7 5 R 7 6 R 7 7	R D1 4 BB 2 C 1 0 2 J R D1 4 DB 2 H 2 0 2 J R D1 4 BB 2 C 1 0 2 J NO USE	RES. CARBON 1 X 5% 1/6 W RES. CARBON 2 K 5% 1/2 W RES. CARBON 1 K 5% 1/6 W	
R 78 R 79	R D1 4 B B 2 C 1 O 2 J R D1 4 D B 2 H 1 O 2 J	RES. CARBON 1K 5% 1/6W RES. CARBON 1K 5% 1/2W	
R 8 5	R D 4 D B 2 H 1 O 1 J	RES. CARBON 100 5% 1/2W	
R 8 8 R 8 9	R DIABB2C104J NO USE	RES. CARBON 100K 5% 1/6W	
R 9 0 R 9 1 R 9 2 R 9 3 R 9 4 R 9 5	R D1 4 B B 2 C 1 0 2 J R D1 4 B B 2 C 1 0 2 J R D1 4 B B 2 C 1 0 2 J R D1 4 B B 2 C 1 0 2 J R D1 4 B B 2 C 2 0 5 J R D1 4 B B 2 C 1 0 0 J NO US E R D1 4 B B 2 C 9 1 2 J	RES. CARBON 1K 5% 1/6 W RES. CARBON 10K 5% 1/6 W RES. CARBON 1K 5% 1/6 W RES. CARBON 2M 5% 1/6 W RES. CARBON 10 5% 1/6 W RES. CARBON 9.1 K 5% 1/6 W	
R O 1	R N I 4 B K 2 C 1 O O 3 F	RES. METAL FILM 100K 1% 1/6W	
RY1 RY2	S 76 - 06 04 - 08 NO USE	RELAY	
RY3	S 76 - 06 0 4 - 08 S 76 - 06 3 0 - 08	R E L A Y R E L A Y	
	S 68 - 0 6 3 1 - 0 5 S 31 - 1 5 1 2 - 0 8	OUTPUT SW MASTER/SLAVE SWITCH	
VR2	R 12 - 1565 - 08 R 12 - 3568 - 08 R 12 - 0597 - 08	RES. SEMI FIXED 2KB RES. SEMI FIXED 30KB RES. SEMI FIXED 100	

P	R	1	8	-3	A
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	Y86-1860-00
REF. NO PARTS NO A01-1237-08 A63-0113-08 B31-0754-08 B31-0755-08	FRONT PANEL METER: CURRENT METER; VOLT
B 4 0 - 2 7 3 7 - 2 4 B 4 2 - 3 7 3 1 - 0 8 B 4 2 - 3 7 3 3 - 0 8 B 4 2 - 6 0 3 5 - 0 8 B 4 2 - 6 0 3 6 - 0 8 B 4 2 - 6 0 3 7 - 0 8	MASTER/SLAVE LABEL FUSE RATING LABEL RATING; AC100V 50/60HZ 100W RATING; AC120V 50/60HZ 100W RATING; AC220V 50/60HZ 100W
B 4 2 - 6 0 3 8 - 0 8 B 4 2 - 6 0 3 9 - 0 8 B 6 3 - 0 1 7 3 - 0 0 E 2 1 - 0 6 7 0 - 0 3 E 2 1 - 0 6 7 1 - 0 3	RATING; AC120V 60HZ 100W INSTRUCTION MANUAL; JAPANESE INSTRUCTION MANUAL; ENGLISH TERMINAL, RED TERMINAL, BLACK
E 2 1 - 0 6 7 2 - 0 3 E 2 9 - 0 5 0 6 - 0 4 E 2 9 - 0 5 4 2 - 0 8 E 3 0 - 0 0 2 7 - 3 5 E 3 0 - 0 5 7 1 - 1 5 E 3 0 - 0 5 7 1 - 1 5	SHORTING BAR LUC: N3 UL/CSA POWER CORD
F 3 0 - 1 8 1 5 - 0 5 F 3 0 - 1 8 6 7 - 0 5 F 0 1 - 0 8 8 5 - 0 8 F 0 5 - 2 0 2 1 - 0 8 F 0 5 - 2 0 2 3 - 0 5 F 2 9 - 0 5 1 5 - 0 8	BS POWER CORD HEAT SINK FUSE(5x20NM) 2A/250V
F 2 9 - 0 5 1 7 - 0 8 F 5 1 - 0 0 0 9 - 0 8 II 1 0 - 2 8 5 3 - 0 8 II 1 0 - 2 8 5 4 - 0 8 II 2 0 - 1 7 3 4 - 0 8 II 5 3 - 0 1 1 2 - 0 8	FUSE(6X30HM) 3A/125V FOAMED STYRENE PAD (FRONT) FOAMED STYRENE PAD (REAR) VINYL COVER CARTON BOX
J 0 2 - 0 5 2 9 - 0 8 J 1 9 - 1 6 7 1 - 0 8 J 1 9 - 1 6 7 2 - 0 8 J 2 1 - 4 7 2 0 - 0 8	FOOT CLAMPER: FOR 2-CORE AC CORD CLAMPER: FOR 3-CORE AC CORD BRACKET: FOR P. C. B
J 2 1 - 4 7 5 8 - 0 8 J 2 9 - 0 5 1 9 - 0 8 J 3 0 - 0 6 3 5 - 0 8 J 4 2 - 0 0 8 3 - 0 5 J 4 2 - 0 0 8 3 - 0 5	BRACKET: FOR AC CORD BUSHING BRACKET: FOR P. C. B VOLUME SPACER: FOR VROI BUSHING: FOR 2-CORE AC CORD BUSHING: FOR 3-CORE AC CORD HANDLE
K 0 1 - 0 4 1 7 - 0 5 K 2 1 - 0 8 0 7 - 1 4 K 2 1 - 0 9 1 1 - 0 4 K 2 4 - 3 0 0 6 - 0 4 K 2 7 - 0 5 0 9 - 0 4 I. 0 7 - 1 5 1 7 - 0 8	KNOB KNOB; FINE/CURRENT KNOB, OUTPUT PUSH BUTTON, ORANGE; POWER POWER TRANSFORMER
N 0 9 - 0 7 1 8 - 0 5 N 0 9 - 0 7 5 7 - 0 5 N 0 9 - 0 7 7 6 - 0 5 N 0 9 - 0 7 7 7 - 0 5 N 0 9 - 0 7 8 9 - 0 5 N 0 9 - 0 7 9 7 - 0 8	SCREW, SENS PAN HD M3X6 SCREW, SENS BINDING TAPTITE 3X6 SCREW, SENS PAN HD M3X10 SCREW, SENS PAN HD M4X6 SCREW, SENS PAN HD M3X10 SCREW, SENS TAPTITE 3X10
N 1 4 - 0 4 0 4 - 0 4 N 8 9 - 3 0 0 6 - 4 1 N 8 9 - 3 0 1 2 - 4 1 S 4 0 - 2 5 3 3 - 0 8 W 0 2 - 2 2 6 8 - 0 8	FLANGE NUT SCREW, BINDING TAPTITE 3X6 SCREW, BINDING TAPTITE 3X12 PUSH SWITCH; POWER AMP UNIT
V R O 1	VOLUME 10K VOLUME 1K VOLUME 10K

	PR18-	3A AMP UNIT	REF. NO	PARTS NO 2501815 (GR)	NAME & DESCR TR. SI, NPN	IPTION		
	W02-2268-08			2 S C 1 8 1 5 (G R) 2 S D 1 1 4 8 (0)	TR. SI, NPN TR. SI, NPN			
C 1	PARTS NO E21-0674-08 E40-7141-08 E40-7142-08 J13-0518-08 H92-0150-05 H92-1061-05 C90-3019-08	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LINE VOLTAGE) PIN CONNECTOR 1P(LINE VOLTAGE) FUSE CLIP; FOR 6X3OMM JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM) CAP. ELECTRO 1000 105 C 35V CAP. MYLAR 1000P 10 5 50V	Q6 Q7 Q8 Q9 Q10 Q15 Q16 Q17	2 S C 2 2 3 8 (Y) 2 S C 3 4 2 1 (Y) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) NO USE D T A 1 4 3 E F	TR. SI, NPN TR. DIGITAL			
C 2 C 3	CQ92M1H102K C91-2559-08	CAP. NYLAR 1000P 10% 50V CAP. CERANIC 0.1 0.25P 50V CAP. NYLAR 4700P 10% 50V	Q11A Q11B	2 S D 1 1 4 8 (0) 2 S D 1 1 4 8 (0)	TR. SI, NPN TR. SI, NPN			
C 4 C 5 C 6 C 7	CQ92 M 1 H 4 7 2 K CQ92 M 1 H 1 O 3 K NO USE C90 - 3 O 2 O - 0 8	CAP. MYLAR 0.01 10% 50V CAP. ELECTRO 100 105°C 25V	R 1 R 2	R D I 4 B B 2 C 1 2 2 J R D I 4 B B 2 C 1 2 3 J	RES, CARBON RES, CARBON	1 . 2 K 1 2 K	5 % 5 %	1/6W 1/6W
C 8	CF93AN2ER22K NO USE	CAP. POLYESTER 0.22P 10% 250V	R 2 R 3	RD14BB2B302J RD14BB2C302J	RES. CARBON RES. CARBON	3 K 3 K 5 1	5 % 5 %	1/2W 1/6W 1/6W
C 1 0	C 9 0 - 3 0 2 1 - 0 8 C F 9 3 A N 1 J R 2 2 K	CAP. ELECTRO 2200 105°C 35V CAP. POLYESTER 0.22P 10% 63V	R 4 R 5 R 6	R D 1 4 B B 2 C 5 1 0 J R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 2 7 3 J	RES. CARBON RES. CARBON RES. CARBON		5 %	1/6W
C 2 2	091-2559-08	CAP. CERANIC 0.1 0.25P .50V	R 7 R 8	R N 1 4 B K 2 C 5 1 0 1 F R D 1 4 B B 2 C 2 O 2 J	RES. METAL FILM RES. CARBON		1 % 5 %	1/6W 1/6W
C 2 6 C 2 7	090-3174-08 NO USE	CAP. ELECTRO 10 1% 50V CAP. ELECTRO 100 105°C 25V	R 9 R I 0	RD14BB2C102J RD14BB2C511J	RES. CARBON RES. CARBON	1 K 5 1 0	5 % 5 %	1/6W
C 2 8 C 2 9	C 9 0 - 3 0 2 0 - 0 8 C 9 1 - 2 5 5 9 - 0 8	CAP. CERAMIC 0.1 0.25P 50V	R 1 1 R 1 2 R 1 3	R D 1 4 B B 2 C 5 1 3 J NO USE R D 1 4 B B 2 C 2 O 2 J	RES. CARBON RES. CARBON	5 1 K 2 K	5 % 5 %	1/6W
C 3 2	CF93AN1J1ROK	CAP. POLYESTER 1P 10% 63V	R 1 4 R 1 5	RD14BB2C152J RD14BB2C102J	RES. CARBON RES. CARBON	1.5K	5 % 5 %	1/6W 1/6W
CN1 CN2	E40-7218-08 E40-7344-08	PIN CONNECTOR 2P PIN CONNECTOR 3P	R 1 6 R 1 7	RD14BB2C512J NO USE	RES. CARBON	5 . 1 K	5 %	1/6₩
C N 3 C N 4 C N 5 C N 6 G N 7 C N 8	NO USE E40-7i26-08 E40-7219-08 E40-7219-08 E40-7219-08 E40-7229-08	PIN CONNECTOR 2P PIN CONNECTOR 3P PIN CONNECTOR 3P PIN CONNECTOR 4P PIN CONNECTOR 4P	R 1 8 R 1 9 R 2 0 R 2 1 R 2 2 R 2 3	R D 1 4 B B 2 C 5 1 3 J R D 1 4 B B 2 C 1 0 3 J R D 1 4 B B 2 C 1 0 2 J R N 1 4 B K 2 C 3 3 0 3 F R D 1 4 B B 2 C 1 0 2 J R N 1 4 B K 2 C 9 1 0 1 F	RES. CARBON RES. CARBON RES. CARBON RES. METAL FILM RES. CARBON RES. METAL FILM	1 K	5 % 5 % 5 % 1 %	1/6W 1/6W 1/6W 1/6W 1/6W
C N 1 1 C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P	R 2 4 R 2 7 R 2 8	R N 1 4 B K 2 C 3 O O 1 F R D F 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 1 O 3 J	RES. METAL FILM RES. CARBON RES. CARBON	1 K 1 O K	5 %	1/6W 1/6W 1/6W
C N 1 8	E40-7440-08	CONNECTOR	R 2 9 R 3 0	R S 1 4 G B 3 D 1 5 2 J R S 1 4 G B 3 A R 3 3 J	RES. METAL FILM RES. METAL FILM	1.5 K	5 % 5 %	2 W
C N 2 3 C N 2 4	E 4 0 - 3 2 4 0 - 0 5 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 5P PIN CONNECTOR 2P	R 3 4 R 3 5 R 3 6	R D I 4 B B 2 C 1 2 2 J R D I 4 B B 2 C 1 2 3 J R D I 4 B B 2 C 3 O 2 J	RES. CARBON RES. CARBON RES. CARBON	1 , 2 K 1 2 K 3 K	5 % 5 %	1/6W 1/6W 1/6W
C O 1	C90-3018-08 C91-1323-08	CAP. ELECTRO 1 105°C 50V CAP. CERAMIC 0.1 20% 250V	R 3 7 R 3 8 R 3 9	R D 1 4 B B 2 C 5 1 0 J R D 1 4 B B 2 C 1 3 3 J R D 1 4 B B 2 C 2 7 3 J	RES. CARBON RES. CARBON RES. CARBON	5 1 1 3 K 2 7 K	5 % 5 %	1/6W 1/6W 1/6W
C O 2 C O 3	NO USE C90-3046-08	CAP. ELECTRO 100 105°C 50V	R 4 0	R N I 4 B K 2 C 5 1 R O F	RES. METAL FILM		1 %	1/6W
D 1 D 2 D 3	1 B 4 B 4 2 ER A 1 5 - 0 1 ISS 2 7 0 A	DIODE, STACK DIODE DIODE	R 4 3 R 4 4 R 4 5	R D I 4 B B 2 C I 0 3 J R D I 4 B B 2 C I 0 I J R D I 4 D B 2 H 2 O 2 J	RES. CARBON RES. CARBON RES. CARBON	1 0 K 1 0 0 2 K	5 % 5 %	1/6W 1/6W 1/2W
D 4 D 5 D 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE DIODE DIODE	R 6 7 R 7 4	R S 1 4 G B 3 D R 1 5 J R D 1 4 B B 2 C 1 0 2 J	RES. METAL FILM	1 K	5 % 5 %	2 W
D 7 D 8	NO USE	DIODE	R 7 5 R 7 6 R 7 7	RD14DB2H2O2J RD14BB2C1O2J NO USE	RES. CARBON RES. CARBON	2 K 1 K	5 % 5 %	1 / 2 W 1 / 6 W
D 9	D 1 0 X B 4 0 E R A 1 5 - 0 1	DIODE, STACK DIODE	R 7 8 R 7 9	RD14BB2C102J RD14DB2H102J	RES. CARBON RES. CARBON	1 K 1 K	5 % 5 %	1/6W 1/2W
D 1 4 D 1 5 D 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE DIODE	R 8 5	R D 1 4 D B 2 H 1 O 1 J	RES. CARBON	1 0 0 1 0 0 K	5 % 5 %	1/2W
D 2 8	1 S S 2 7 0 A	DIODE	R 8 8 R 8 9 R 9 0	NO USE RD14BB2C102J	RES. CARBON RES. CARBON	I K	5%	1/6W
D 3 3 D 3 4	ERA 15-01 155270A	D 1 0 D E	R 9 1 R 9 2 R 9 3	R D 1 4 B B 2 C 1 O 3 J R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 2 O 5 J	RES. CARBON RES. CARBON RES. CARBON	1 0 K 1 K 2 H	5 % 5 % 5.%	1/6W 1/6W 1/6W 1/6W
D 3 7 D 3 8 D 3 9	ERA 15 - 01 1SS 270 A ERA 15 - 01	D I O D E D I O D E	R 9 4 R 9 5 R 9 6	R D 1 4 B B 2 C 1 0 0 J NO USE R D 1 4 B B 2 C 9 1 2 J	RES. CARBON	10 9.1K	5%	1/6W
D O 1	3 0 D 1	DIODE	R 3 2 A R 3 2 B	R S 1 4 G B 3 A R 3 3 J R S 1 4 G B 3 A R 3 3 J	RES. METAL FILM RES. METAL FILM		5 % 5 %	1 W 1 W
1 C 1 1 C 2 1 C 3	UPC151C UPC151C UPC1093J	IC,OP AMP IC,OP AMP IC,VARIABLE SHUNT REGULATOR	801	R N 1 4 B K 2 C 1 0 0 3 F S 7 6 - 0 6 0 4 - 0 8	RES. METAL FILM		1 %	1/6W
1 C 9	11 A t 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE REG.	RY1 RY2 RY3	S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8	R E L A Y R E L A Y			
LEDI LED2 LEDO LEDO1	L N 2 2 2 R P L N 3 2 2 G P L N 2 2 2 R P L N 2 2 2 R P	LED; RED LED; GREEN LED; RED LED; RED	RY4 SW1 SW2	S 7 6 + 0 6 3 0 - 0 8 S 6 8 - 0 6 3 1 - 0 5 S 3 1 - 1 5 1 2 - 0 8	RELAY OUTPUT SW MASTER/SLAVE SW	I Т С Н		
Q 1 Q 2 Q 3	2SC1815 (GR) 2SC1815 (GR) 2SC1815 (GR)	TR. SI, NPM TR. SI, NPN TR. SI, NPN	V R 1 V R 2 V R 3	R 1 2 - 1 5 6 5 - 0 8 R 1 2 - 5 5 4 7 - 0 8 R 1 2 - 0 5 9 7 - 0 8	RES. SEMI FIXED RES. SEMI FIXED RES. SEMI FIXED	100KB		

PR18-5A

Y86-1870-00

NAME & DESCRIPTION REF. NO PARTS NO A 0 I - 1 2 3 8 - 0 8 A 6 3 - 0 I I 4 - 0 8 COVER FRONT PANEL METER; VOLT KETER; CURRENT B 3 1 - 0 7 5 7 - 0 8 B 3 1 - 0 7 5 8 - 0 8 METER: CURRENT SERIAL NO. PLATE MASTER/SLAVE LABEL FUSE RATING LABEL RATING: AC100V 50/60HZ 165W RATING: AC120V 50/60HZ 165W RATING: AC220V 50/60HZ 165W RATING: AC220V 50/60HZ 165W RATING: AC220V 50/60HZ 165W RATING: AC220V 50/60HZ 165W RATING: AC120V 60HZ 165W INSTRUCTION MANUAL: JAPANESE INSTRUCTION MANUAL: ENGLISH TERMINAL. RED B 4 0 - 2 7 3 7 - 2 4 B 42-3731-08 B 42-3738-08 B 4 2 ~ 6 0 5 5 - 0 8 B 4 2 - 6 0 5 6 - 0 8 B 4 2 - 6 0 5 7 - 0 8 B 4 2 - 6 0 5 8 - 0 8 B 4 2 - 6 0 5 9 - 0 8 B 6 3 - 0 1 7 3 - 0 0 B 6 3 - 0 1 7 4 - 0 0 E 21 - 0670 - 03 E 21 - 0671 - 03 E 21 - 0672 - 03 TERNINAL, RED TERNINAL, BLACK TERNINAL, WHITE SHORTING BAR E 29-0506-04 E 29-0542-08 E 30-0027-35 LUC; K3 UL/CSA POWER CORD JIS POWER CORD SAA POWER CORD CEE POWER CORD BS POWER CORD HEAT SINK LUG: M3 E 30-0545-05 E 30-0571-15 E 3 0 - 1 8 1 5 - 0 5 E 3 0 - 1 8 6 7 - 0 5 F01-0886-08 F 0 5 - 3 0 2 2 - 0 5 F 2 9 - 0 5 1 7 - 0 8 FUSE(6X32MM) 3A/250V INSULATOR; FOR Q6/Q11 F 2 9 - 0 5 1 8 - 0 8 F 5 0 - 0 0 0 4 - 0 8 F 5 1 - 0 0 1 0 - 0 8 FUSE(5X20MM) 3A/250V FUSE(6X30MM) 5A/125V FOAMED STYRENE PAD (FRONT) FOAMED STYRENE PAD (REAR) VINYL COVER CARTON BOX H 1 0 - 2 8 5 6 - 0 8 H 1 0 - 2 8 5 7 - 0 8 1 2 0 - 1 7 3 4 - 0 8 1153-0113-08 102-0529-08 FOOT FOOT CLAMPER: FOR 2-CORE AC CORD CLAMPER: FOR 3-CORE AC CORD BRACKET: FOR P. C. B BRACKET: FOR AC CORD BUSHING VOLUME SPACER: FOR VRO1 BUSHING: FOR 2-CORE AC CORD BUSHING: FOR 3-CORE AC CORD J 0 2 - 0 5 2 9 - 0 8 J 1 9 - 1 6 7 1 - 0 8 J 1 9 - 1 6 7 2 - 0 8 J 2 1 - 4 7 2 0 - 0 8 J 2 1 - 4 7 5 8 - 0 8 J 3 0 - 0 6 3 5 - 0 8 J 4 2 - 0 0 8 3 - 0 5 J 4 2 - 0 0 8 5 - 0 5 K 0 1 - 0 4 1 7 - 0 5 II A N D L E K N O B K2|-0907-14 K2|-0911-04 KNOB; FINE/CURRENT KNOB; FINE/CURRENT KNOB, OUTPUT PUSH BUTTON, ORANGE; POWER POWER TRANSFORMER SCREW, SEMS PAN HD M3X6 SCREW, SEMS BINDING TAPTITE 3X6 SCREW, SEMS PAN HD M3X10 SCREW, SEMS TAPTITE 3X10 FLANGE NUT M3 SCREW, BINDING TAPTITE 3X6 SCREW, BINDING TAPTITE 3X12 PUSH SWITCH: POWER K 2 4 - 3 0 0 6 - 0 4 K 2 7 - 0 5 0 9 - 0 4 L 07-1518-08 N 0 8-0718-05 N 0 8-0757-05 N 0 9-0776-05 N 0 9-0777-05 N 0 9-0789-05 N O 9 - 0 7 9 7 - 0 8 N 1 4-0404-04 N 8 9 - 3 0 0 6 - 4 1 N 8 9 - 3 0 1 2 - 4 1 PUSH SWITCH; POWER AMP UNIT VOLUME S 4 0 - 2 5 3 3 - 0 8 W O 2 - 2 2 6 9 - 0 8 R 2 9 - 3 5 0 3 - 0 8 VROI 10 K V R O 3 1 0 K R 29-3504-08 VOI. UNE

PR18-5A AMP UNIT

W02-2269-08			
REF. N	E 2 ! - 0 6 7 4 - 0 8 E 4 0 - 7 1 4 1 - 0 8 E 4 0 - 7 1 4 2 - 0 8 J 1 3 - 0 5 1 8 - 0 8	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LINE VOLTAGE) PIN CONNECTOR 1P(LINE VOLTAGE) FUSE CLIP; FOR 6X30MM	
C 1 C 2 C 3 C 4 C 5	J 7 3 - 0 3 2 6 - 0 8 R 9 2 - 0 1 5 0 - 0 5 K 9 2 - 1 0 6 1 - 0 5 C 9 0 - 3 0 1 9 - 0 8 C 0 9 2 M 1 H 1 0 2 K C 9 1 - 2 5 5 9 - 0 8 C 0 9 2 M 1 H 4 7 2 K C 0 9 2 M 1 H 1 0 3 K	PCB (UNMOUNTED) JUMPING RES. ZERO OHM (10 MM) LAP. ELECTRO 1000 105 C 35 V CAP. HYLAR 1000P 10 % 50 V CAP. CERANIC 0.1 0.25 P 50 V CAP. MYLAR 4700P 10 % 50 V CAP. MYLAR 0.01 10 % 50 V	
C 6 C 7 C 8 C 9	NO USE C90-3020-08 CF93AN2ER22K NO USE	CAP. ELECTRO 100 105 C 25 V CAP. POLYESTER 0.22 P 10 % 250	
C 1 0 C 1 1	C 9 0 - 3 0 2 4 - 0 8 C F 9 3 A N 1 J R 2 2 K	CAP. ELECTRO 3300 105°C 35V CAP. POLYESTER 0.22P 10% 63V	
C 2 2	C 9 1 - 2 5 5 9 - 0 8	CAP. CERANIC 0.1 0.25P 50V	
C 2 6 C 2 7	C 9 0 - 3 1 7 4 - 0 8 NO USE	CAP. ELECTRO 10 1% 50V	
C 2 8 C 2 9	C 9 0 - 3 0 2 0 - 0 8 C 9 1 - 2 5 5 9 - 0 8	CAP. ELECTRO 100 105°C 25V CAP. CERANIC 0.1 0.25P 50V	
C 3 2	CF93ANIJIROK	CAP. POLYESTER 1P 10% 63V	
C N 1 C N 2 C N 3	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 NO USE	PIN CONNECTOR 2P PIN CONNECTOR 3P	
C N 4 C N 5 C N 6 C N 7 C N 8	E 4 0 - 7 1 2 6 - 0 8 E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 2 9 - 0 8 E 4 0 - 7 2 2 9 - 0 8	PIN CONNECTOR 2P PIN CONNECTOR 3P PIN CONNECTOR 3P PIN CONNECTOR 4P PIN CONNECTOR 4P	
C N 1 1 C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P	
C N 1 8	E 40 - 7440 - 08	CONNECTOR	
C N 2 3 C N 2 4	E 4 0 - 3 2 4 0 - 0 5 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 5P PIN CONNECTOR 2P	
C 0 1	C 9 0 - 3 0 1 8 - 0 8	CAP. ELECTRO 1 105°C 5 O V	
C 0 1 C 0 2 C 0 3	C 9 1 - 1 3 2 3 - 0 8 NO USE C 9 0 - 3 0 4 6 - 0 8	CAP. CERAMIC 0.1 20% 250V CAP. ELECTRO 100 105°C 50V	
D 1 D 2 D 3 D 4 D 5 D 6 D 7	1 B 4 B 4 2 E R A 1 5 - 0 1 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A 0 S S 2 7 0 A N 0 U S E D 1 5 X B 4 0	DIODE, STACK DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE	
010	E R A 1 5 - 0 1	DIODE	
) 1 4) 1 5) 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	D 1 O D E D 1 O D E	
28	1 S S 2 7 0 A	DIODE	
33	ERA15-01 1SS270A	D I O D E	
37 38 39	E R A 1 5 - 0 1 1 S S 2 7 0 A E R A 1 5 - 0 1	D 1 O D E D 1 O D E D 1 O D E	
01	3001	DIODE	
C 1 C 2 C 3	UPC151C UPC151C UPC1093J	IC,OP AMP IC,OP AMP IC,VARIABLE SMUNT REGULATOI	
C 9	H A 1 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE &C.	
EDI ED2 EDO EDOI	L N 3 2 2 G P L N 2 2 2 R P	LED; GREEN LED; RED LED; RED LED; RED	
1 2 3	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	TR. SI, NPN TR. SI, NPN TR. SI, NPN	

W 0 2 - 2 2 6 R E F , N C Q 4 Q 5 Q 6 Q 7 Q 8 Q 9 Q 1 0 Q 1 1		NAME & DESCRIPTION TR. SI, NPN	
Q 1 5 Q 1 6 Q 1 7	2SC1815 (GR) NO USE DTA143EF	TR. SI, NPN TR. DIGITAL	
Q 1 1 A Q 1.1 B Q 1 1 C	2 S D 1 1 4 8 (0) 2 S D 1 1 4 8 (0) 2 S D 1 1 4 8 (0)	TR. SI, NPN TR. SI, NPN TR. SI, NPN	
R 1 R 2	R D 1 4 B B 2 C 1 2 2 J R D 1 4 B B 2 C 1 2 3 J	RES. CARBON 1.2K 5% 1/6K RES. CARBON 12K 5% 1/6K	
R 2 R 3 R 4 R 5 R 6 R 7 R 8 R 9 R 1 0 R 1 1	RD14DB2H302J RD14BB2C302J RD14BB2C510J RD14BB2C510J RD14BB2C5101F RD14BB2C5273J RK14BK2C5101F RD14BB2C5202J RD14BB2C5101J RD14BB2C5101J	RES. CARBON 3K 5% 1/2k RES. CARBON 3K 5% 1/6k RES. CARBON 51 5% 1/6k RES. CARBON 1K 5% 1/6k RES. CARBON 27K 5% 1/6k RES. CARBON 27K 5% 1/6k RES. CARBON 2, 5% 1/6k RES. CARBON 1K 5% 1/6k RES. CARBON 1K 5% 1/6k RES. CARBON 100 5% 1/6k RES. CARBON 51K 5% 1/6k) ; ; ;
R 1 3 R 1 4 R 1 5 R 1 6 R 1 7	RD14BB2C202J RD14BB2C152J RD14BB2C152J RD14BB2C512J RD14BB2C512J	RES. CARBON 2K 5% 1/6W RES. CARBON 1.5K 5% 1/6W RES. CARBON 1K 5% 1/6W RES. CARBON 5.1K 5% 1/6W	
R 1 8 R 1 9 R 2 0 R 2 1 R 2 2 R 2 3 R 2 4	RD14BB2C513J RD14BB2C103J RD14BB2C102J RN14BB2C102J RN14BB2C102J RN14BB2C102J RN14BB2C102J	RES. CARBON 51 K 5% 1/6 W RES. CARBON 10 K 5% 1/6 W RES. CARBON 1 K 5% 1/6 W RES. METAL FILM 330 K 1% 1/6 W RES. METAL FILM 3 K 1% 1/6 W 1% 1/6 W 1% 1/6 W 1% 1% 1/6 W 1% 1% 1/6 W 1% 1% 1/6 W 1% 1/6 W 1% 1/6 W 1% 1% 1/6 W 1% 1% 1/6 W 1% 1% 1/6 W 1/6 W 1% 1% 1% 1/6 W 1% 1%	
R 2 7 R 2 8 R 2 9 R 3 0 R 3 1	R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 1 0 3 J R S 1 4 G B 3 D 1 5 2 J R S 1 4 G B 3 A R 3 3 J NO USE	RES. CARBON 1K 5% 1/6W RES. CARBON 10K 5% 1/6W RES. METAL FILM 1.5K 5% 2W RES. METAL FILM 0.33 5% 1W	
R 3 2 R 3 3 R 3 4	RS14GB3AR33J NO USE	RES. METAL FILM 0.33 5% 1W	
R 3 5 R 3 6 R 3 7 R 3 8 R 3 9 R 4 0	R D I 4 B B B 2 C 1 2 2 J R D I 4 B B B 2 C 3 0 2 J R D I 4 B B 2 C 3 0 2 J R D I 4 B B 2 C 5 I 0 J R D I 4 B B B 2 C 1 3 3 J R D I 4 B B B 2 C 2 7 3 J R D I 4 B B B 2 C 5 I R 0 F	RES. CARBON 1.2K 5 % 1/6W RES. CARBON 12K 5 % 1/6W RES. CARBON 3K 5 % 1/6W RES. CARBON 51 5 % 1/6W RES. CARBON 13K 5 % 1/6W RES. CARBON 27K 5 % 1/6W RES. METAL FILM 51.0 1 % 1/6W	
R 4 3 R 4 4 R 4 5	R D 1 4 B B 2 C 1 O 3 J R D 1 4 B B 2 C 1 O 1 J R D 1 4 D B 2 H 2 O 2 J	RES. CARBON 10K 5% 1/6W RES. CARBON 100 5% 1/6W RES. CARBON 2K 5% 1/2W	
R 6 7	R S I 4 G B 3 D R 1 2 J	RES. METAL FILM 0.12 5% 2W	
R 7 4 R 7 5 R 7 6 R 7 7	R D1 4 B B 2 C 1 O 2 J R D1 4 D B 2 H 2 O 2 J R D1 4 B B 2 C 1 O 2 J NO USE	RES. CARBON 1 K 5 % 1/6 W RES. CARBON 2 K 5 % 1/2 W RES. CARBON 1 K 5 % 1/6 W	
R 7 8 R 7 9	R D1 4 B B 2 C 1 0 2 J R D1 4 D B 2 H 1 0 2 J	RES. CARBON 1K 5% 1/6W RES. CARBON 1K 5% 1/2W	
R 8 5	R D 1 4 D B 2 H 1 O 1 J	RES. CARBON 100 5% 1/2W	
R 8 8 R 8 9	RDI4BB2C104J NO USE	RES. CARBON 100K 5% 1/6W	
R 9 0 R 9 1 R 9 2 R 9 3 R 9 4 R 9 5	R D1 4 BB 2 C 1 0 2 J R D1 4 BB 2 C 1 0 3 J R D1 4 BB 2 C 1 0 2 J R D1 4 BB 2 C 1 0 2 J R D1 4 BB 2 C 1 0 0 J NO USE	RES. CARBON 1K 5% 1/6W RES. CARBON 10K 5% 1/6W RES. CARBON 1K 5% 1/6W RES. CARBON 2M 5% 1/6W RES. CARBON 10 5% 1/6W	
R 9 6	R D 1 4 B B 2 C 9 1 2 J	RES. CARBON 9.1K 5% 1/6W	
R 3 2 A R 3 2 B R 3 2 C	R SI 4 G B 3 A R 3 3 J R SI 4 G B 3 A R 3 3 J R SI 4 G B 3 A R 3 3 J	RES. METAL FILM 0.33 5% 1W RES. METAL FILM 0.33 5% 1W RES. METAL FILM 0.33 5% 1W	
R 0 1	R N 1 4 B K 2 C 4 0 0 3 F	RES. METAL FILM 100K 1% 1/6W	
R Y 1 R Y 2 R Y 3 R Y 4	S 76 - 06 0 4 - 08 S 76 - 06 0 4 - 08 S 76 - 06 0 4 - 08 S 76 - 06 3 0 - 08	RELAY RELAY RELAY RELAY	

REF. NO	PARTS NO	NAME & DESCRIPTION
S W 1	S 6 8 - 0 6 3 1 - 0 5	OUTPUT SW
S W 2	S 3 1 - 1 5 1 2 - 0 8	HASTER/SLAVE SWITCH
V R 1	R 1 2 - 1 5 6 5 - 0 8	RES. SEMI FIXED 2KB
V R 2	R 1 2 - 5.5 4 7 - 0 8	RES. SEMI FIXED 100KB
V R 3	R 1 2 - 0 5 9 7 - 0 8	RES. SEMI FIXED 100
Z D 1	HZSGA	DIODE, ZENER 5.75 V

PARTS LIST

		Y86-1880-00
- V -	0.4.0.75600	NAME & DECORDINATION
EF. NO	PARTS NO	NAME & DESCRIPTION - COVER
	101-1236-08 163-0115-08	FRONT PANEL
	B31-0756-08	METER; CURRENT
	B31-0759-08	METER: VOLT
	B 4 0 - 2 7 3 7 - 2 4	SERIAL NO. PLATE
	B 4 2 - 3 7 3 1 - 0 8	MASTER/SLAVE LABEL
	B 4 2 - 3 7 4 0 - 0 8	FUSE RATING LABEL
	B 4 2 - 6 0 2 5 - 0 8	RATING: AC100V 50/60H7. 73W
	B 4 2 - 6 0 2 6 - 0 8	RATING; AC120 V 50/60 HZ 73 W
	B 4 2 - 6 0 2 7 - 0 8	RATING; AC220V 50/60HZ 73W
	B 4 2 - 6 0 2 8 - 0 8	RATING; AC240V 50/60HZ 73W
	B 4 2 - 6 0 2 9 - 0 8 B 6 3 - 0 1 7 3 - 0 0	RATING; AC120V 60HZ 73W INSTRUCTION MANUAL; JAPANESE
	B63-0173-00	INSTRUCTION MANUAL; ENGLISH
	E21-0670-03	TERMINAL, RED
	E21-0671-03	TERMINAL, BLACK
	E21-0672-03	TERMINAL, WHITE
	E 2 9 - 0 5 0 6 - 0 4	SHORTING BAR
	E 2 9 - 0 5 4 2 - 0 8	LUG; N3
	E30-0027-35	UL/CSA POWER CORD
	E30-0545-05	JIS POWER CORD
	E30-0571-15	SAA POWER CORD CEE POWER CORD
	E30-1815-05 E30-1867-05	BS POWER CORD
	F01-0884-08	HEAT SINK
	F05-1521-08	FUSE(6X32MM) 1.5A/250V
	F29-0517-08	INSULATOR; FOR Q6/Q11
	F50-0003-08	FUSE (5 X 2 0 M M) 1.5 A / 25 0 V
	F51-0008-08	FUSE (6 X 3 0 M M) 2, 5 A / 1 2 5 V
	110-2853-08	FOAMED STYRENE PAD (FRONT) FOAMED STYRENE PAD (REAR)
	10 - 2854 - 08 10 - 2855 - 08	STYRENE PAD: 83X115X30MM
	110-2858-08	STYRENE PAD: 154X205X30NM
	120-1734-08	VINYL COVER
	1153-0114-08	CARTON BOX
	J02-0529-08	FOOT
	J19-1671-08	CLAMPER; FOR 2-CORE AC CORD
	J19-1672-08	CLAMPER; FOR 3-CORE AC CORD
	J21-4720-08 J21-4758-08	BRACKET; FOR P.C.B BRACKET; FOR AC CORD BUSHING
	130-0635-08	VOLUME SPACER; FOR VRO1
	J42-0083-05	BUSHING; FOR 2-CORE AC CORD
	J12-0085-05	BUSHING; FOR 3-CORE AC CORD
	K21-0907-14	KNOB
	K21-0911-04	KNOB; FINE/CURRENT
	K 2 4 - 3 0 0 6 - 0 4	KNOB, OUTPUT
	K 2 7 - 0 5 0 9 - 0 4	PUSH BUTTON, ORANGE; POWER
	1.07 - 1519 - 08 N09 - 0718 - 05	POWER TRANSFORMER SCREW, SEMS PAN HD M3X6
	NO9-0718-05	SCREW, SEMS PAN HD M4X10
	NO9-0757-05	SCREW, SENS BINDING TAPTITE 3X6
	N09-0789-05	SCREW, SEMS PAN HD M3X10
	N 0 9 - 0 7 9 7 - 0 8	SCREW, SENS TAPTITE 3X10
	N 1 4 - 0 4 0 4 - 0 4	FLANGE NUT M3
	N89-3006-41	SCREW, BINDING TAPTITE 3X6
	N89-3010-41	SCREW, BINDING TAPTITE 3X10
	S40 - 2533 - 08	PUSH SWITCH; POWER AMP UNIT
V R O 1	W 0 2 - 2 2 7 0 - 0 8 R 2 9 - 3 5 0 3 - 0 8	VOLUME 10K
VRO2	R39-0800-08	VOLUME 1K

PR36-1.2A

PR36-1.2A AMP UNIT W02-2270-08					
REF. NO		NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR IP PIN CONNECTOR 2P(LINE VOLTAGE)			
	J 13 - 05 18 - 08 J 73 - 03 26 - 08 R 9 2 - 01 50 - 05 R 9 2 - 1061 - 05	FUSE CLIP; FOR 6X30MM PCR (UNMOUNTED) JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM)			
C 1 C 2 C 3 C 4	C 9 0 - 3 0 2 3 - 0 8 C Q 9 2 M 1 H 1 0 2 K C 9 1 - 2 5 5 9 - 0 8 C Q 9 2 M 1 H 4 7 2 K	CAP. ELECTRO 470 105°C 35V CAP. MYLAR 1000P 10% 50V CAP. CERAMIC 0.1 0.25P 50V CAP. MYLAR 4700P 10% 50V			
C 5 C 6 C 7 C 8	C Q 9 2 M 1 H 1 0 3 K N 0 U S E C 9 0 - 3 0 2 0 - 0 8 C F 9 3 A N 2 E R 2 2 K	CAP. HYLAR 0.01 10% 50V CAP. ELECTRO 100 105°C 25V CAP. POLYESTER 0.22P 10% 250V			
C 9 C 1 0 C 1 1	NO USE C90-3025-08 CF93AN1JR22K	CAP. ELECTRO 1000 105°C 63V CAP. POLYESTER 0.22P 10% 63V			
C 2 2	C 9 1 - 2 5 5 9 - 0 8	CAP. CERANIC 0.1 0.25 P 50 V			
C 2 6 C 2 7	C 9 0 - 3 1 7 4 - 0 8 N O U S E	CAP. ELECTRO 10 1% 50V			
28	C 9 0 - 3 0 2 0 - 0 8 C 9 1 - 2 5 5 9 - 0 8	CAP. ELECTRO 100 105°C 25 V CAP. CERAMIC 0.1 0.25 P 50 V			
32	C F 9 3 A N 1 J 1 R 0 K	CAP. POLYESTER 1P 10% 63V			
C N 1 C N 2 C N 3	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 N O USE	PIN CONNECTOR 2P PIN CONNECTOR 3P			
C N 4 C N 5 C N 6	E 4 0 - 7 1 2 6 - 0 8 E 4 0 - 7 2 1 9 - 0 8	PIN CONNECTOR 2P PIN CONNECTOR 3P			
, N 6 ; N 7	NO USE E 40-7229-08	PIN CONNECTOR 4P			
N 1 1 N 1 2 N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P			
N 18	E 40 - 7440 - 08	CONNECTOR			
N 2 3	E 4 0 - 3 2 4 0 - 0 5 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 5P PIN CONNECTOR 2P			
0.1	C 9 0 - 3 0 1 8 - 0 8	CAP. ELECTRO 1 105°C 50V			
0 1 0 2 0 3	C 9 1 - 1 3 2 3 - 0 8 N O U S E C 9 0 - 3 0 4 6 - 0 8	CAP. CERAMIC 0.1 20% 250V CAP. ELECTRO 100 105°C 50V			
0 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9	1 B 4 B 4 2 E R A 1 5 - 0 1 1 S S 2 7 0 A 1 S S 2 7 0 A NO USE D 3 S B 6 0 E R A 1 5 - 0 1	DIODE, STACK DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE			
) 1 4) 1 5) 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	D I O D E D I O D E D I O D E			
2 8	1 S S 2 7 0 A	DIODE			
3 3 3 4	ERA15-01 1SS270A	DIODE			
37 38 39	E R A 1 5 - 0 1 1 S S 2 7 0 A E R A 1 5 - 0 1	DIODE DIODE DIODE			
0 1	E R A 1 5 - 0 1	DIODE			
C 1 C 2 C 3	UPC151C UPC151C UPC1093J	IC,OP AMP IC,OP AMP IC,VARIABLE SHUNT REGULATOR			
C 9	H A 1 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE REG.			
	I. N 2 2 2 R P I. N 3 2 2 G P	LED; RED LED; GREEN			
E D O 1	L N 2 2 2 R P	LED; RED .			
1 2	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	TR. SI, NPN TR. SI, NPN			

REF.NO Q4	2 S C 1 8 1 5 (G R)	TR. S	ME & DESCRI	PTION
Q 5 Q 6 Q 7	2 S C 1 8 1 5 (G R) 2 S D 1 1 4 8 (O) 2 S C 2 2 3 8 (Y)	TR. S	I, NPN I, NPN I, NPN	
Q 8 Q 9	2 S C 3 4 2 1 (Y) 2 S C 1 8 1 5 (G R)	TR. S	I, NPN	
Q 1 0 Q 1 1	2 S C 1 8 1 5 (G R) 2 S D J 1 4 8 (O)	TR. S	I, NPN I, NPN	
Q 1 5 Q 1 6 Q 1 7	2 S C 1 8 1 5 (G R) NO USE DTA 1 4 3 E F		I, NPN IGITAL	
R 1 R 2	R D 1 4 B B 2 C 1 2 2 J R D 1 4 B B 2 C 1 2 3 J			1.2K 5% 1/6W 12K 5% 1/6W
K 2 R 3 R 4 R 5 R 6 R 7 R 8 R 9 R 1 0 R 1 1	R D 1 4 D B 2 H 3 O 2 J R D 1 4 B B 2 C 3 O 2 J R D 1 4 B B 2 C 5 1 O J R D 1 4 B B 2 C 1 2 3 J R D 1 4 B B 2 C 1 2 3 J R D 1 4 B B 2 C 2 2 4 O 1 F R D 1 4 B B 2 C 2 O 2 J R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 1 O 3 J R D 1 4 B B 2 C 5 1 3 J N O U S E	RES. RES. RES. RES. RES. RES. RES.	CARBON CARBON CARBON CARBON METAL FILM CARBON CARBON CARBON CARBON	3 K 5 % 1/2 W 3 K 5 % 1/6 W 5 1 1/6 W 12 K 5 % 1/6 W 2 7 K 5 % 1/6 W 2 2 4 K 1 % 1/6 W 1 K 5 % 1/6 W
R 1 3 R 1 4 R 1 5 R 1 6	R D 1 4 B B 2 C 2 O 2 J R D 1 4 B B 2 C 1 5 2 J R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 5 1 2 J	RES. RES.	CARBON CARBON	2 K 5 % 1/6 W 1.5 K 5 % 1/6 W 1 K 5 % 1/6 W 5.1 K 5 % 1/6 W
R 1 7 R 1 8 R 1 9 R 2 0 R 2 1 R 2 2 R 2 3 R 2 4	R D 1 4 B B 2 C 1 O 2 J	RES. RES. RES. RES.	CARBON CARBON METAL FILM CARBON METAL FILM S	51K 5% 1/6W 10K 5% 1/6W 1K 5% 1/6W 330K 1% 1/6W 1,6 5% 1/6W 1,6 5% 1/6W 1,6 1/6W
R 2 7 R 2 8 R 2 9 R 3 0 R 3 1 R 3 2	R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 1 0 3 J R S 1 4 G B 3 D 3 9 2 J R S 1 4 G B 3 A R 4 7 J N O U S E R S 1 4 G B 3 A R 4 7 J	RES. RES. RES.	CARBON I METAL FILM S METAL FILM S	1 K 5 % 1/6 W 1/6
R 3 3 R 3 4 R 3 5 R 3 6 R 3 7 R 3 8 R 3 9 R 4 0	NO USE	RES. RES. RES. RES. RES.	C A R B O N	1. 2 K 5 % 1/6 W 2 K 5 % 1/6 W 5 % 1/6 W 5 % 1/6 W 3 K 5 % 1/6 W 3 K 5 % 1/6 W 17 K 5 % 1/6 W 11. 0 1 % 1/6 W
R 4 3 R 4 4 R 4 5	R D 1 4 B B 2 C 1 0 3 J R D 1 4 B B 2 C 1 0 1 J R D 1 4 D B 2 H 8 2 2 J		CARBON 1	0 K 5 % 1 / 6 W 0 0 0 5 % 1 / 6 W 3 . 2 K 5 % 1 / 2 W
R 6 7	R S 1 4 G B 3 D R 2 2 J	RES.	METAL FILM (0.22 5% 2W
R 7 4 R 7 5 R 7 6 R 7 7	R D 1 4 B B 2 C 1 0 2 J R D 1 4 D B 2 H 8 2 2 J R D 1 4 B B 2 C 1 0 2 J N O U S E	RES.	CARBON 8	5% 1/6W 3.2K 5% 1/2W K' 5% 1/6W
R 7 8 R 7 9	R D 1 4 B B 2 C 1 0 2 J R D 1 4 D B 2 H 1 0 2 J			K 5% 1/6W K 5% 1/2W
R 8 5	R D 1 4 D B 2 H 1 O 1 J	RES.	CARBON	00 5% 1/2W
R 8 8 R 8 9	R D 1 4 B B 2 C 1 O 4 J NO U S E	RES.	CARBON	100K 5% 1/6W
R 9 0 R 9 1 R 9 2 R 9 3 R 9 4	R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 1 0 3 J R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 2 0 5 J R D 1 4 B B 2 C 5 1 0 J NO USE	RES. RES. RES.	CARBON I CARBON I CARBON I	1 K 5 % 1/6 W 1 O K 5 % 1/6 W 1 K 5 % 1/6 W 2 M 5 % 1/6 W 5 1 5 % 1/6 W
R 9 5 R 9 6	RD14BB2C912J	RES.	CARBON S	9.1K 5% 1/6W
R O 1	R N 1 4 B K 2 C 1 0 0 3 F	RES.	METAL FILM 1	100K 1% 1/6W
R Y 2 R Y 3	S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 3 0 - 0 8	RELAY RELAY RELAY RELAY		
S W 1 S W 2	S 6 8 - 0 6 3 1 - 0 5 S 3 1 - 1 5 1 2 - 0 8	OUTPU MASTE	T SW R/SLAVE SWIT	L C II
V R 1 V R 2 V R 3	R 1 2 - 1 5 6 4 - 0 8 R 1 2 - 5 5 4 7 - 0 8 R 1 2 - 0 5 9 7 - 0 8	RES.	SENI FIXED	1 K B 1 O O K B 1 O O
Z D 1	H Z S 6 A	DIODE	,. ZENER	5.75 V

PR36-3A						
Y86-1890-00						
EF. NO	PARTS NO A01-1238-08 A63-0116-08 B31-0760-08 B31-0760-08 B40-2737-24 B42-3738-08 B42-3738-08 B42-3738-08 B42-6045-08 B42-6047-08 B42-6047-08 B42-6047-08 B42-6047-08 B42-6047-08 B42-6047-08 B42-6047-08 B42-6047-08	NAME & DESCRIPTION COVER FRONT PANEL METER: VOLT METER: CURRENT SERIAL NO. PLATE MASTER/SLAVE LABEL FUSE RATING LABEL RATING: AC120V 50/60HZ 170W RATING: AC120V 50/60HZ 170W RATING: AC220V 50/60HZ 170W RATING: AC220V 50/60HZ 170W RATING: AC220V 50/60HZ 170W RATING: AC220V 50/60HZ 170W RATING: AC240V 50/60HZ 170W				
	$E\ 2\ 9-0\ 5\ 0\ 6-0\ 4$ $E\ 2\ 9-0\ 5\ 4\ 2-0\ 8$ $E\ 3\ 0-0\ 5\ 4\ 5-0\ 5$ $E\ 3\ 0-0\ 5\ 7\ 1-1\ 5$ $E\ 3\ 0-1\ 8\ 6\ 7-0\ 5$ $E\ 3\ 0-1\ 8\ 6\ 7-0\ 5$ $F\ 0\ 1-0\ 8\ 6\ 7-0\ 5$ $F\ 0\ 1-0\ 8\ 6\ 7-0\ 8$ $F\ 2\ 9-0\ 5\ 1\ 8-0\ 8$ $F\ 3\ 0-1\ 0\ 2\ 8-0\ 8$ $F\ 3\ 0-1\ 0\ 3\ 0\ 4-0\ 8$ $F\ 3\ 0-2\ 3\ 5\ 6-0\ 8$ $F\ 3\ 0-1\ 3\ 3\ 5\ 6-0\ 8$ $F\ 3\ 0-1\ 3\ 3\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 0-1\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 3\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3$ $F\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\ 3\$	SHORTING BAR LUG; M3 UL/CSA POWER CORD JIS POWER CORD SAA POWER CORD CEE POWER CORD HEAT SINK FUSE(6X32MM) 3A/250V INSULATOR; FOR Q6/Q11 INSULATOR; FOR Q11A/Q11B/Q11C FUSE(6X30MM) 3A/250V FUSE(6X30MM) 5A/125V FOAMED STYRENE PAD (FRONT) FOAMED STYRENE PAD (REAR) VINYL COVER				
	$\begin{array}{c} 15.3 - 0.1 \ 1.5 - 0.8 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	CARTON BOX FOOT CLAMPER: FOR 2-CORE AC CORD CLAMPER: FOR 3-CORE AC CORD BRACKET: FOR P.C.B BRACKET: FOR AC CORD BUSHING VOLUME SPACER: FOR VRO1 BUSHING: FOR 2-CORE AC CORD BUSHING: FOR 3-CORE AC CORD HANDLE KNOB				
V R O 1	$\begin{array}{c} 821-0305-0\\ 821-0306-04\\ 827-0509-04\\ 107-1520-08\\ 109-0718-05\\ 109-0757-05\\ 109-0757-05\\ 109-0757-05\\ 109-0777-05\\ 109-0777-05\\ 109-0777-05\\ 109-0777-05\\ 109-0777-05\\ 109-0789-05\\ 109-0789-05\\ 109-0789-05\\ 109-0789-05\\ 109-0789-05\\ 109-0789-05\\ 109-079-08\\ 102-22211-08\\ 12222211-08\\ 1229-3503-08\\ 129-32022222222222222222$	RNOB: FINE / CURRENT KNOB, OUTPUT PUSH BUTTON, ORANGE: POWER POWER TRANSFORMER SCREW, SEMS PAN HD M3X6 SCREW, SEMS BINDING TAPTITE 316 SCREW, SEMS PAN HD M3X10 SCREW, SEMS TAPTITE 3X10 FLANGE NUT SCREW, BINDING TAPTITE 3X6 SCREW, BINDING TAPTITE 3X12 PUSH SWITCH: POWER AMP UNIT VOLUME 10K				

		-3A AMP UNIT			REF.N Q3	2 S C 1	TS NO 815 (GR)		NAME & DESC SI, NPN	RIPTIO	И.	
	W	02-2271-08			Q 4 Q 5		815 (GR) 815 (GR)		SI, NPN SI, NPN			
REF. NO	PARTS NO E 2 1 - 0 6 7 4 - 0 8 E 4 0 - 7 1 4 1 - 0 8 E 4 0 - 7 1 4 2 - 0 8 J 1 3 - 0 5 1 8 - 0 8 J 7 3 - 0 3 2 6 - 0 8 R 9 2 - 0 1 5 0 - 0 5 R 9 2 - 1 0 6 1 - 0 5 C 9 0 - 3 0 1 9 - 0 8	NAME & DESCR EXTERNAL OUTPUT PIN CONNECTOR 2 PIN CONNECTOR 1 FUSE CLIP; FOR (UNMOUNTED) JUMPING RES. JUMPING RES. CAP. ELECTRO	TERMINAL P(LINE VOLT P(LINE VOLT X30MM ZERO OHM (1 ZERO OHM (1 1000 105°C	0 M M) 5 M M)	Q 6 Q 7 Q 8 Q 9 Q 1 0 Q 1 1 Q 1 5 Q 1 6 Q 1 7	2 S C 2 2 S C 3 2 S C 1 2 S C 1 2 S D 1		TR. TR. TR. TR. TR. TR.	SI, NPN			
C 2 C 3 C 4 C 5 C 6	C Q 9 2 M 1 H 1 0 2 K C 9 1 - 2 5 5 9 - 0 8 C Q 9 2 M 1 II 4 7 2 K C Q 9 2 M 1 H 1 0 3 K N 0 U S E	CAP. MYLAR CAP. CERAMIC CAP. MYLAR CAP. MYLAR	1000P 10% 0.1 0.25P 4700P 10% 0.01 10%	5 0 V 5 0 V 5 0 V 5 0 V	Q 1 1 A Q 1 1 B Q 1 1 C	2 S D 1 2 S D 1	148(0) 148(0) 148(0)	TR. TR.	SI, NPN SI, NPN SI, NPN			
C 7 C 8 C 9 C 1 0	C 9 0 - 3 0 2 0 - 0 8 C F 9 3 A N 2 E R 2 2 K N 0 U S E C 9 0 - 3 0 4 2 - 0 8	CAP. ELECTRO CAP. POLYESTER CAP. ELECTRO		25 V 25 O V 6 3 V	R 1 R 2	RDIA	BB2C122J BB2C123J	RES.	C A R B O N C A R B O N	1 . 2 K 1 2 K	5 % 5 %	1/6W 1/6W
C 1 1	CF93ANIJR22K	CAP. POLYESTER	0.22P 10% 0.1 0.25P	63 V	R 2 R 3 R 4	R D 1 4 R D 1 4	D B 2 H 3 O 2 J B B 2 C 3 O 2 J B B 2 C 5 1 O J	RES.	CARBON CARBON CARBON	3 K 3 K 5 1	5 % 5 % 5 %	1/2W 1/6W 1/6W
C 2 6 C 2 7 C 2 8 C 2 9	C 9 0 - 3 1 7 4 - 0 8 N 0 U S E C 9 0 - 3 0 2 0 - 0 8 C 9 1 - 2 5 5 9 - 0 8	CAP. ELECTRO CAP. ELECTRO CAP. CERAMIC	10 1% 100 105°C 0.1 0.25P	5 0 V	R 5 R 6 R 7 R 8 R 9 R I 0	R D 1 4 R N 1 4 R D 1 4 R,D 1 4	B B 2 C 1 2 3 J B B 2 C 2 7 3 J B K 2 C 2 4 0 1 F B B 2 C 2 0 2 J B B 2 C 1 0 2 J B B 2 C 3 0 2 J	RES. RES. RES.	CARBON CARBON METAL FILM CARBON CARBON CARBON	1 2 K 2 7 K 2 , 4 K 2 K 1 K 3 K	5 % 5 % 5 % 5 %	1/6W 1/6W 1/6W 1/6W 1/6W
C 3 2	C F 9 3 A N 1 J 1 R 0 K	CAP. POLYESTER	1 P 1 0 %	6 3 V	R 1 1 R 1 2	NO			CARBON	5 1 K	5 %	1/6W
C N 1 C N 2 C N 3	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 NO USE	PIN CONNECTOR PIN CONNECTOR	2 P 3 P		R 1 3 R 1 4 R 1 5	RD141	3 B 2 C 2 O 2 J 3 B 2 C 1 5 2 J 3 B 2 C 1 O 2 J	RES. RES.	CARBON CARBON CARBON	2 K 1 . 5 K 1 K	5 % 5 % 5 %	1 / 6 W 1 / 6 W 1 / 6 W
C N 4 C N 5 C N 6 C N 7 C N 8	E 4 0 - 7 1 2 6 - 0 8 E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 2 9 - 0 8 E 4 0 - 7 2 2 9 - 0 8	PIN CONNECTOR PIN CONNECTOR PIN CONNECTOR PIN CONNECTOR PIN CONNECTOR	2,P 3 P 3 P 4 P		R 1 6 R 1 7 R 1 8 R 1 9 R 2 0 R 2 1	NO 1 RD141 RD141 RD141 RN141	3 B 2 C 5 1 3 J 3 B 2 C 1 0 3 J 3 B 2 C 1 0 2 J 5 K 2 C 3 3 0 3 F	RES. RES. RES.	CARBON CARBON CARBON CARBON METAL FILM	5 . 1 K 5 1 K 1 0 K 1 K 3 3 0 K	5 % 5 % 5 %	1/6W 1/6W 1/6W 1/6W 1/6W
C N 1 1 C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR PIN CONNECTOR PIN CONNECTOR	4 P 2 P 2 P		R 2 2 R 2 3 R 2 4	RN14E	B B 2 C 1 O 2 J K 2 C 9 I O 2 F K 2 C 3 O O 1 F	RES.	CARBON METAL FILM METAL FILM		5 % 1 % 1 %	1/6W 1/6W F/6W
C N 1 8	E 4 0 - 7 4 4 0 - 0 8	CONNECTOR			R 2 7 R 2 8		B 2 C 1 O 2 J B 2 C 1 O 3 J		C A R B O N C A R B O N	1 K 1 O K	5 % 5 %	1/6W 1/6W
C N 2 3 C N 2 4	E 4 0 - 3 2 4 0 - 0 5 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR PIN CONNECTOR	5 P 2 P		R 2 9 R 3 0 R 3 1	RS14G RS14G NO U	B 3 D 3 9 2 J B 3 A R 5 1 J S E	RES.	METAL FILM METAL FILM	3.9K	5 % 5 %	2 W 1 W
C 0 1	C 9 0 - 3 0 1 8 - 0 8	CAP. ELECTRO	1 105°C	5 0 V	R 3 2 R 3 3	NO U			METAL FILM		5 %	1 W
C 0 1 C 0 2 C 0 3	C 9 1 - 1 3 2 3 - 0 8 N O U S E C 9 0 - 3 0 4 6 - 0 8	CAP. CERANIC	0.1 20% 100 105°C	2 5 0 V 5 0 V	R 3 4 R 3 5 R 3 6 R 3 7 R 3 8	R D 1 4 B R D 1 4 B R D 1 4 B	B 2 C 1 2 2 J B 2 C 1 2 3 J B 2 C 3 0 2 J B 2 C 5 1 0 J B 2 C 3 3 3 J	RES. RES. RES.	CARBON CARBON CARBON CARBON CARBON	1 . 2 K 1 2 K 3 K 5 1	5 % 5 % 5 %	1/6W 1/6W 1/6W
D 1 D 2 D 3 D 4	1 B 4 B 4 2 E R A 1 5 - 01 1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE, STACK DIODE DIODE DIODE			R 3 9 R 4 0	RD14B RN14B	B 2 C 2 7 3 J K 2 C 5 1 R 0 F B 2 C 1 0 3 J	RES. RES.	CARBON METAL FILM CARBON		5 % 5 % 1 %	1/6W 1/6W 1/6W
D 5 D 6 D 7	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	D I O D E D I O D E			R 4 4 R 4 5	R D 1 4 B	B 2 C 1 O 1 J B 2 II 8 2 2 J	RES.	CARBON CARBON	10K 100 8.2K	5 % 5 % 5 %	1 / 6 W 1 / 6 W 1 / 2 W
D 8 D 9 D 1 0	NO USE D10XB40 ERA15-01	DIODE, STACK DIODE			R 6 7 R 7 4		B 3 D R 1 5 J B 2 C 1 O 2 J		METAL FILM		5 %	2 W
D 1 4 D 1 5	1 S S 2 7 0 A 1 S S 2 7 0 A	D I O D E D I O D E D I O D E			R 7 5 R 7 6 R 7 7	RD14D RD14B NO U	B 2 H 8 2 2 J B 2 C 1 O 2 J S E	RES. RES.	CARBON CARBON CARBON	1 K 8 . 2 K 1 K	5 % 5 % 5 %	1 / 6 W 1 / 2 W 1 / 6 W
	1 S S 2 7 0 A	DIODE			R 7 8 R 7 9		B 2 C 1 O 2 J B 2 II 1 O 2 J		C A R B O N C A R B O N	1 K 1 K	5 % 5 %	1 / 6 W 1 / 2 W
	ERA 15-01	DIODE			R 8 5	R D 1 4 D	B 2 H 1 O I J	RES.	CARBON	100	5 %	1 / 2 W
	1882701	DIODE			R 8 8 R 8 9	RD14B NO U	B 2 C 1 O 4 J	RES.	CARBON	1 0 0 K	5 %	1/6₩
D 3 7 D 3 8 D 3 9	E R A 1 5 - 0 1 1 S S 2 7 0 A E R A 1 5 - 0 1	D I O D E D I O D E			R 9 0 R 9 1 R 9 2	R D 1 4 B : R D 1 4 B : R D 1 4 B :	B 2 C 1 O 2 J B 2 C 1 O 3 J B 2 C 1 O 2 J	RES.	CARBON	1 K 1 O K 1 K	5 %	1 / 6 W 1 / 6 W 1 / 6 W
D O 1	3 0 D 1	DIODE			R 9 3 R 9 4	R D 1 4 B	3 2 C 2 O 5 J 3 2 C 5 1 O J			2 M 5 1		1/6W 1/6W
I C 1 I C 2 I C 3	UPC151C UPC151C - UPC1093J	IC, OP AMP IC, OP AMP IC, VARIABLE SHUN	T REGULATOR		R 9 5 R 9 6 R 3 2 A		3 2 C 9 1 2 J 3 3 A R 5 1 J		CARBON METAL FILM		5 % 5 %	1 / 6 W
I C 9	II A 1 7 8 L 1 2 A	IC, TERMINAL FIXE	D VOLTAGE R	EG.	R 3 2 B R 3 2 C	R S 1 4 G 1	33 A R 5 1 J 33 A R 5 1 J	RES.	METAL FILM	0.51	5 % 5 %	1 W 1 W
LED2 LEDO	L N 3 2 2 G P L N 2 2 2 R P L N 2 2 2 R P L N 2 2 2 R P	LED: GREEN LED: RED LED: RED LED: RED			R O 1	R N 1 4 B I	(2C1003F	RES.	METAL FILM			1/6W
Q 1 Q 2	2 S C 1 8 15 (G R) 2 S C 1 8 15 (G R)	TR. SI, NPN TR. SI, NPN			R Y 2 R Y 3 R Y 4	S 7 6 - 0 6 S 7 6 - 0 6 S 7 6 - 0 6	04-08	RELAY RELAY RELAY				

PARTS LIST

NAME & DESCRIPTION OUTPUT SW MASTER/SLAVE SWITCH

RES. SEMI FIXED 1KB RES. SEMI FIXED 100KB RES. SEMI FIXED 100

DIODE, ZENER 5.75 V

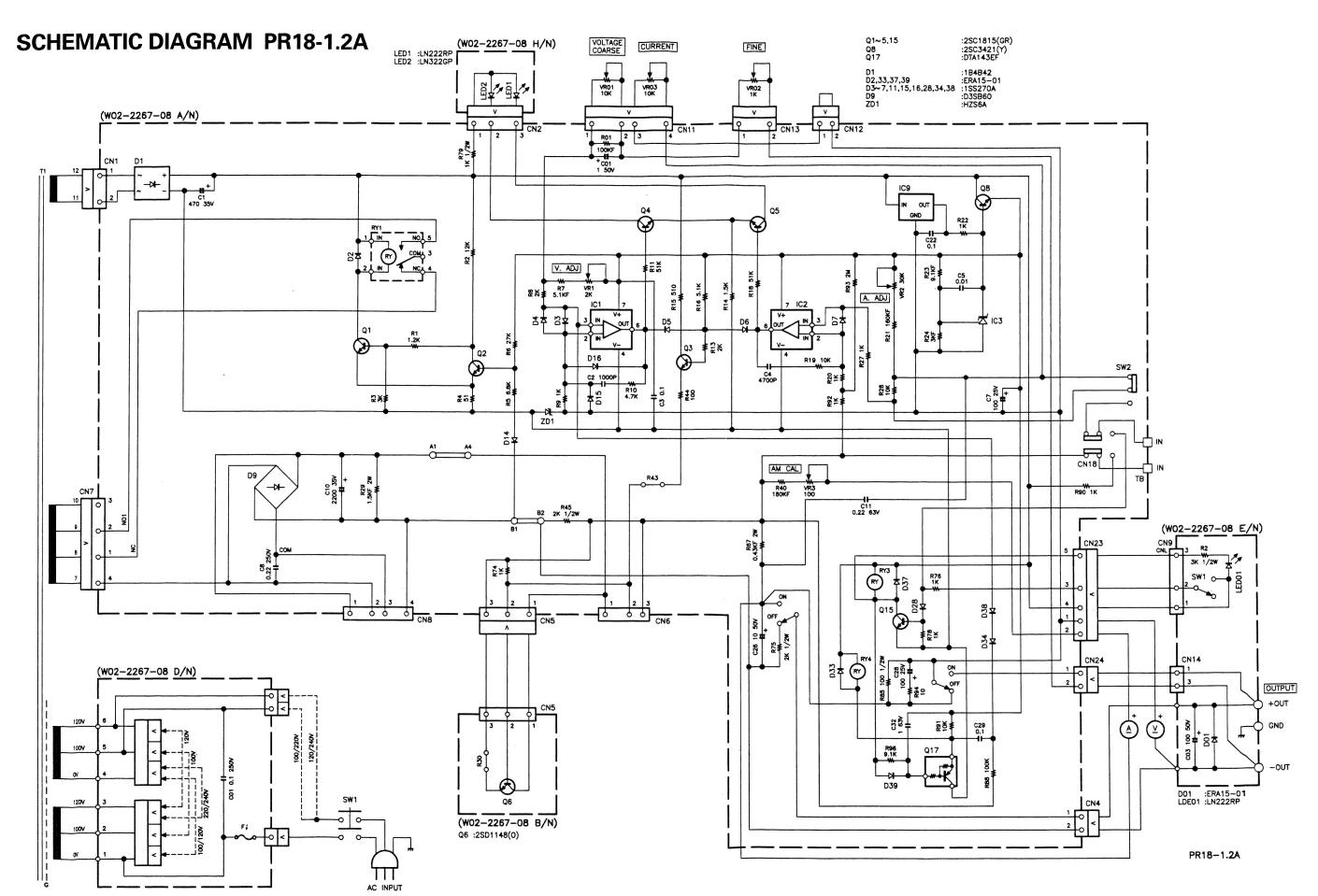
	PR70-1A
	Y86-1900-00
REF. NO PARTS NO A 0 1 - 1 2 3 7 - 0 8 A 6 3 - 0 1 1 7 - 0 8 B 3 1 - 0 7 6 2 - 0 8 B 4 0 - 2 7 3 7 - 2 4 B 4 2 - 3 7 3 1 - 0 8 B 4 2 - 3 7 3 3 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 4 2 - 6 0 5 2 - 0 8 B 4 2 - 6 0 5 1 - 0 8 B 2 2 1 - 0 6 7 0 - 0 3 E 2 1 - 0 6 7 1 - 0 3 E 2 1 - 0 6 7 2 - 0 3 E 2 9 - 0 5 0 6 - 0 4 E 2 9 - 0 5 0 4 2 - 0 8	NAME & DESCRIPTION CASE FRONT PANEL METER; VOLT SERIAL NO. PLATE MASTER/SLAVE LABEL FUSE RATING LABEL RATING; AC120V 50/60HZ 110W RATING; AC220V 50/60HZ 110W RATING; AC210V 60HZ 110W RATING; AC120V 50/60HZ 110W RATING; AC220V 50/60HZ 110W
E 3 0 - 0 0 2 7 - 3 5 E 3 0 - 0 5 4 5 - 0 5 E 3 0 - 0 5 7 1 - 1 5 E 3 0 - 1 8 1 5 - 0 5 E 3 0 - 1 8 6 7 - 0 5 F 0 1 - 0 8 8 5 - 0 8 F 0 5 - 2 0 2 1 - 0 8 F 0 5 - 2 0 2 3 - 0 5 F 2 9 - 0 5 1 7 - 0 8 F 2 9 - 0 5 1 8 - 0 8 F 5 1 - 0 0 0 9 - 0 8 H 1 0 - 2 8 5 3 - 0 8 H 2 0 - 1 7 3 4 - 0 8 H 5 3 - 0 1 1 6 - 0 8	UL/CSA POWER CORD JIS POWER CORD SAA POWER CORD CEE POWER CORD BS POWER CORD HEAT SINK FUSE(5x20MM) 2A/250V INSULATOR:FOR Q6/Q11 INSULATOR:FOR Q11A/Q11B/Q11C FUSE(6x30MM) 3A/125V FOAMED STYRENE PAD (REAR) VINYL. COVER CARTON BOX
J 0 2 - 0 5 2 9 - 0 8 J 1 9 - 1 6 7 1 - 0 8 J 1 9 - 1 6 7 2 - 0 8 J 2 1 - 4 7 2 0 - 0 8 J 2 1 - 4 7 7 8 - 0 8 J 2 1 - 4 7 5 8 - 0 8 J 2 9 - 0 5 1 9 - 0 8 J 3 0 - 0 6 3 5 - 0 8 J 4 2 - 0 0 8 3 - 0 5 J 4 2 - 0 0 8 5 - 0 5 K 0 1 - 0 4 1 7 - 0 5 K 2 1 - 0 9 0 7 - 1 4	BRACKET; FOR P. C. B
$\begin{array}{c} \text{K } 2 \ 1 - 0 \ 9 \ 1 \ 1 - 0 \ 4 \\ \text{K } 2 \ 4 - 3 \ 0 \ 0 \ 6 - 0 \ 4 \\ \text{K } 2 \ 7 - 0 \ 5 \ 0 \ 9 - 0 \ 4 \\ \text{L } 0 \ 7 - 1 \ 5 \ 2 \ 1 - 0 \ 8 \\ \text{N } 0 \ 9 - 0 \ 7 \ 1 \ 8 - 0 \ 5 \\ \text{N } 0 \ 9 - 0 \ 7 \ 5 \ 7 - 0 \ 5 \\ \text{N } 0 \ 9 - 0 \ 7 \ 7 \ 7 - 0 \ 5 \\ \text{N } 0 \ 9 - 0 \ 7 \ 7 \ 7 - 0 \ 5 \\ \text{N } 0 \ 9 - 0 \ 7 \ 7 \ 7 - 0 \ 5 \\ \text{N } 0 \ 9 - 0 \ 7 \ 8 \ 9 - 0 \ 5 \\ \text{N } 0 \ 9 - 0 \ 7 \ 8 \ 9 - 0 \ 5 \\ \text{N } 0 \ 9 - 0 \ 7 \ 9 \ 7 - 0 \ 8 \\ \text{N } 1 \ 4 - 0 \ 4 \ 0 \ 4 - 0 \ 4 \\ \text{N } 8 \ 9 - 3 \ 0 \ 0 \ 6 - 4 \ 1 \\ \text{N } 8 \ 9 - 3 \ 0 \ 0 \ 6 - 4 \ 1 \\ \text{N } 8 \ 9 - 3 \ 0 \ 1 \ 2 - 4 \ 1 \\ \text{S } 4 \ 0 - 2 \ 5 \ 3 \ 3 - 0 \ 8 \\ \text{V } R \ 0 \ 1 \\ \text{R } 2 \ 9 - 3 \ 5 \ 0 \ 3 - 0 \ 8 \\ \text{V } R \ 0 \ 2 \\ \text{R } 2 \ 9 - 3 \ 5 \ 0 \ 3 - 0 \ 8 \\ \text{V } R \ 0 \ 2 \\ \text{R } 2 \ 9 - 1 \ 5 \ 0 \ 8 - 0 \ 8 \end{array}$	KNOB; FINE/CURRENT KNOB, OUTPUT PUSH BUTTON, OR ANGE; POWER POWER TRANSFORMER SCREW, SEMS PAN HD M3X6 SCREW, SEMS BINDING TAPTITE 3X6 SCREW, SEMS PAN HD M3X10 SCREW, SEMS TAPTITE 3X10 FLANGE NUT M3 SCREW, BINDING TAPTITE 3X6 SCREW, BINDING TAPTITE 3X12 PUSH SWITCH; POWER AMP UNIT VOLUME 10K

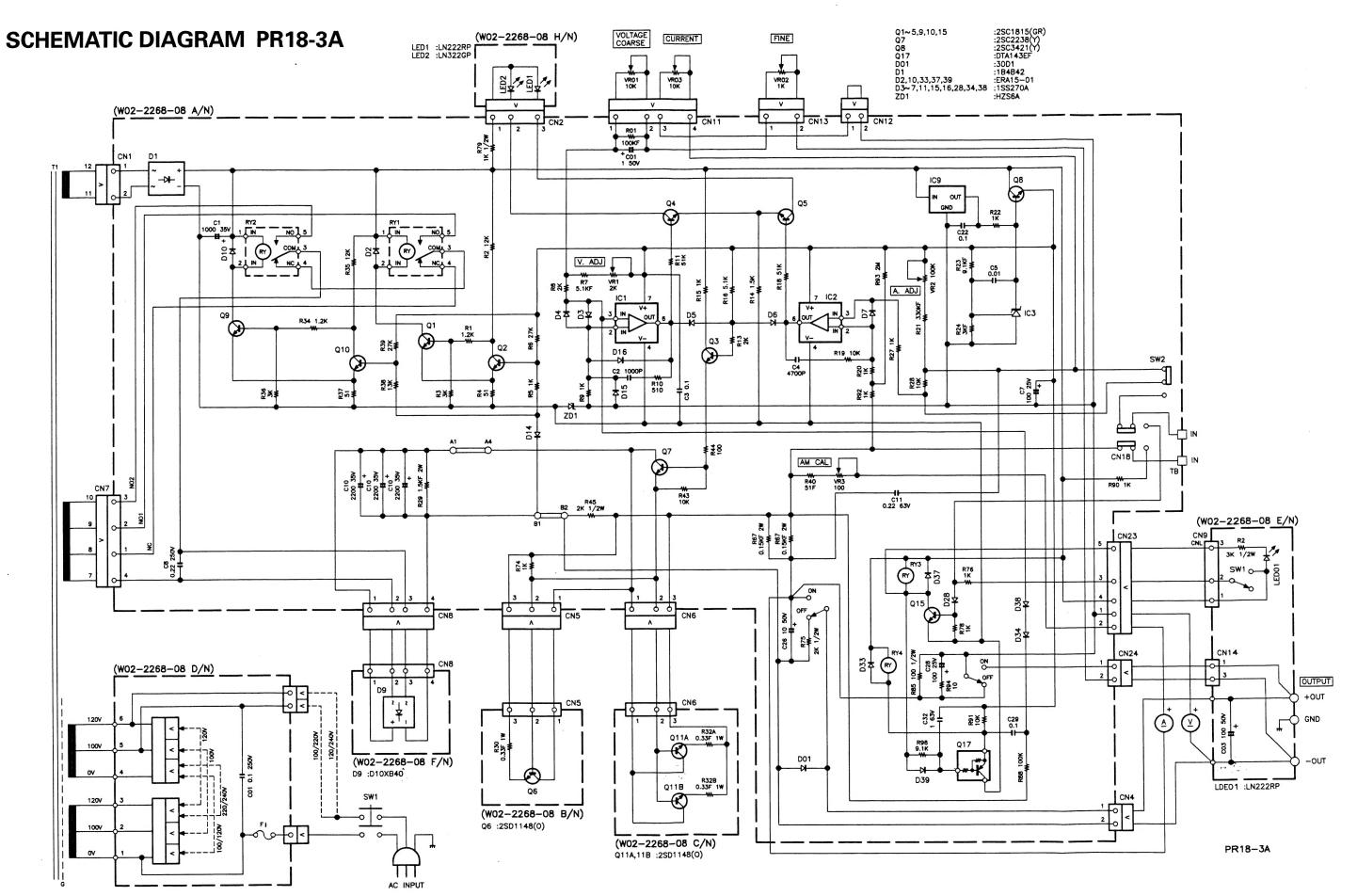
V R 1 R 1 2 - 1 5 6 4 - 0 8 V R 2 R 1 2 - 5 5 4 7 - 0 8 V R 3 R 1 2 - 0 5 9 7 - 0 8

Z D 1 H Z S 6 A

PARTS LIST PARTS LIST

		0-1A AMP UNIT	REF. N	O PARTS NO	NAME & DESCRIPTION .	R E F . 1 R Y 4	0 PARTS NO S76-0630-08	NAME & DESCRIPTION RELAY
per no		V02-2272-08	Q 1 Q 2 Q 3 Q 4	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	TR. SI, NPN TR. SI, NPN TR. SI, NPN TR. SI, NPN	S W 1 S W 2	S 6 8 - 0 6 3 1 - 0 8 S 3 1 - 1 5 1 2 - 0 8	HASTER/SLAVE SWITCH
C I C 2 C 3 C 4	PARTS NO E21-0674-08 E40-7141-08 E40-7142-08 E40-71142-08 J13-0518-08 J73-0326-08 R92-0150-05 R92-1061-05 C90-3023-08 CQ92M1H102K C91-2559-08	EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LINE VOLTAGE) PIN CONNECTOR 1P(LINE VOLTAGE) FUSE CLIP:FOR 6X30MM PCB (UNMOUNTED) JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM) CAP. ELECTRO 470 105°C 35V CAP. MYLAR 1000P 10% 50V CAP. CERAMIC 0.1 0.25P 50V CAP. MYLAR 4700P 10% 50V	Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q15 Q16 Q16	2 SC 1815 (GR) 2 SD 1148 (O) 2 SC 2 238 (Y) 2 SC 342 (Y) 2 SC 342 (Y) 2 SC 1815 (GR) 2 SC 1815 (GR) 2 SD 1148 (O) 2 SC 1815 (GR) DT A143 EF	TR. SI, NPN	V R 1 V R 2 V R 3 Z D 1	R 1 2 - 1 5 6 4 - 0 8 R 1 2 - 5 5 4 7 - 0 8 R 1 2 - 0 5 9 7 - 0 8	RES. SEMI FIXED 1KB RES. SEMI FIXED 100KB RES. SEMI FIXED 100 DIODE, ZENER 5.75V
C 5 C 6 C 7	CQ92 N 1 H 1 O 3 K NO USE C90 - 3020 - 08	CAP. HYLAR 0.01 10% 50V	Q 1 1 A	2501148(0)	TR. SI, NPN TR. SI, NPN			
C 9 C 1 0	CF93 AN 2ER22K NO USE C90-3039-08	CAP. POLYESTER 0.22P 10% 250 CAP. ELECTRO 330 105°C 160	1	2 S D 1 1 4 8 (0) R D I 4 B B 2 C 1 2 2 J	TR. SI, NPN RES. CARBON 1.2K 5%	1/6W		
C 1 1 C 2 2	CF93AN1JR22K	CAP. POLYESTER 0.22P 10% 63V CAP. CERANIC 0.1 0.25P 50V	R 2	RD14BB2C123J RD14DB2H302J		1/6W 1/2W		
C 2 6 C 2 7 C 2 8 C 2 9	C90-4504-08 NO USE C90-3020-08 C91-2559-08 CF93AN1J1ROK	CAP. ELECTRO 10 105°C 25V CAP. CERAMIC 0.1 0.25P 50V CAP. POLYESTER 1P 10% 63V	R 3 R 4 R 5 R 6 R 7 R 8 R 9	R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 5 1 0 J R D 1 4 B B 2 C 3 0 3 J R D 1 4 B B 2 C 2 7 3 J R D 1 4 B B 2 C 2 0 0 1 F R D 1 4 B B 2 C 2 0 2 J R D 1 4 B B 2 C 1 0 2 J	RES. CARBON 51 5% RES. CARBON 30 K 5% RES. CARBON 27 K 5% RES. HETAL FILM 1 K 1% RES. CARBON 2 K 5% RES. CARBON 1 K 5%	1 / 6 W 1 / 6 W		
C 1 O 1	091-2588-08	CAP. CERANIC 0.1 10% 630	R 1 2	R D 1 4 B B 2 C 2 4 3 J R D 1 4 B B 2 C 5 1 3 J N O U S E	RES, CARBON 51K 5%	1 / 6 W 1 / 6 W		
C N 1 C N 2 C N 3 C N 4 C N 5	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 N 0 USE E 4 0 - 7 1 2 6 - 0 8 E 4 0 - 7 2 1 9 - 0 8	PIN CONNECTOR 2P PIN CONNECTOR 3P PIN CONNECTOR 2P PIN CONNECTOR 3P	R 1 3 R 1 4 R 1 5 R 1 6 R 1 7	R D I 4 B B 2 C 2 O 2 J R D I 4 B B 2 C I 5 2 J R D I 4 B B 2 C I O 2 J R D I 4 B B 2 C 5 I 2 J N O U S E	RES. CARBON 2 K 5 % RES. CARBON 1.5 K 5 % RES. CARBON 1 K 5 % RES. CARBON 5.1 K 5 %	1 / 6 W 1 / 6 W		
C N 6 C N 7	E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 2 9 - 0 8	PIN CONNECTOR 3P PIN CONNECTOR 4P	R 1 8 R 1 9 R 2 0	R D 1 4 B B 2 C 5 1 3 J R D 1 4 B B 2 C 1 0 3 J R D 1 4 B B 2 C 1 0 2 J	RES. CARBON 10K 5% 1	1 / 6 W 1 / 6 W 1 / 6 W		
C N 1 1 C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P	R 2 1 R 2 2 R 2 3 R 2 4	R N 1 4 B K 2 C 3 9 0 3 F R D 1 4 B B 2 C 1 0 2 J R N 1 4 B K 2 C 9 1 0 1 F R N 1 4 B K 2 C 3 0 0 1 F	RES. METAL FILM 390K 1% 1 RES. CARBON 1K 5% 1	1/6W 1/6W 1/6W		
C N 1 8 C N 2 3	E 4 0 - 7 4 4 0 - 0 8 E 4 0 - 3 2 4 0 - 0 5	CONNECTOR PIN CONNECTOR 5P	R 2 7 R 2 8	R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 1 O 3 J		1 / 6 W 1 / 6 W	•	
C N 2 4	E40-7333-08 C90-3038-08	PIN CONNECTOR 2P CAP. ELECTRO 1 105°C 100	R 2 9 R 3 0 R 3 1	R S 1 4 G B 3 D 1 2 3 J R S 1 4 G B 3 A 1 R 5 J N O USE		2 W 1 W		
C 0 1	091-1323-08	CAP. CERANIC 0.1 20% 250	R 3 2 R 3 3	RS14GB3A1R5J NO USE		1 W		
C O 2 C O 3 D 1	NO USE C90-3048-08	CAP. ELECTRO 100 105°C 100 DIODE, STACK	R 3 4 R 3 5 R 3 6 R 3 7	R D I 4 B B 2 C I 2 2 J R D I 4 B B 2 C I 2 3 J R D I 4 B B 2 C I 0 2 J R D I 4 B B 2 C 5 I 0 J	RES. CARBON 1.2K 5% 1 RES. CARBON 12K 5% 1 RES. CARBON 1K 5% 1 RES. CARBON 51 5% 1	1 / 6 W 1 / 6 W		
D 2 D 3 D 4 D 5	ERA15-01 188270A 188270A 188270A	D I O D E D I O D E D I O D E D I O D E	R 3 8 R 3 9 R 4 0	R D 1 4 B B 2 C 7 5 3 J R D 1 4 B B 2 C 2 7 3 J R N 1 4 B K 2 C 5 1 R 0 F	RES. CARBON 75K 5% 1 RES. CARBON 27K 5% 1 RES. METAL FILM 51.0 1% 1	1 / 6 W 1 / 6 W 1 / 6 W		
D 6 D 7 D 8	1 S S 2 7 0 A 1 S S 2 7 0 A NO USE	DIODE DIODE DIODE STACK	R 4 3 R 4 4 R 4 5	R D 1 4 B B 2 C 1 O 3 J R D 1 4 B B 2 C 1 O 1 J R D 1 4 D B 2 H 3 O 3 J	RES. CARBON 1 O K 5 % 1 RES. CARBON 1 0 O 5 % 1 RES. CARBON 3 O K 5 % 1	1/6W		
D 1 0	D 3 S B 6 O ER A 1 5 - O 1	DIODE	R 6 7	R S 1 4 G B 3 D R 2 2 J		2 W		
D 1 4 D 1 5 D 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	D I O D E D I O D E D I O D E	R 7 4 R 7 5 R 7 6	R D 1 4 B B 2 C 1 O 2 J R D 1 4 D B 2 H 3 O 3 J R D 1 4 B B 2 C 1 O 2 J	RES. CARBON 1K 5% 1 RES. CARBON 3OK 5% 1 RES. CARBON 1K 5% 1	1 / 2 W		
D 2 8	1 S S 2 7 0 A	DIODE	R 7 7 R 7 8 R 7 9	NO USE RD14BB2C102J RD14DB2H102J	RES. CARBON 1K 5% 1 RES. CARBON 1K 5% 1			
D 3 3 D 3 4	ERA 15-01 ISS 270 A	D I O D E	R 8 5	R D 1 4 D B 2 H 1 O 1 J	RES. CARBON 100 5% 1	1 / 2 W		
D 3 7 D 3 8 D 3 9	ERA 15 - 01 1SS 270 A ERA 15 - 01	D I O D E D I O D E D I O D E	R 8 8 R 8 9 R 9 0	R D I 4 B B 2 C 1 O 4 J NO USE R D I 4 B B 2 C 1 O 2 J	RES. CARBON 100K 5% 1 RES. CARBON 1K 5% 1	1/6W		
D O 1	ERA15-01	DIODE	R 9 1 R 9 2 R 9 3	R D I 4 B B 2 C 1 O 3 J R D I 4 B B 2 C 1 O 2 J R D I 4 B B 2 C 2 O 5 J	RES. CARBON 10K 5% 1 RES. CARBON 1K 5% 1 RES. CARBON 2M 5% 1	1/6W		
I C 1 I C 2 I C 3	UPC 151C UPC 151C UPC 1093J	IC, OP AMP IC, OP AMP IC, VARIABLE SHUNT REGULATOR	R 9 4 R 9 5 R 9 6	RD14BB2C2U5J RD14BB2C101J NO USE RD14BB2C912J RS14GB3A1R5J	RES. CARBON 100 5% 1 RES. CARBON 9.1K 5% 1			
109	A 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE REG.	R 3 2 B R 3 2 C	R S 1 4 G B 3 A 1 R 5 J R S 1 4 G B 3 A 1 R 5 J	RES. METAL FILM 1.5 5%	1 W 1 W		
LED2 LEDO	L N 2 2 2 R P L N 3 2 2 G P L N 2 2 2 R P	LED:RED LED:GREEN LED:RED	ROI	R N 1 4 B K 2 C 1 O O 3 F	RES. METAL FILM 100K 1% 1	1/6W		
	LN 2 2 2 R P	LED; RED	R Y 1 R Y 2 R Y 3	S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8	R'ELAY RELAY RELAY			





P.C. BOARD

